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Yale Medical dissertations, 1860. Contents: 1. Oberly, Aaron Shimer d. 1919 2. Woodward, Edward Prindle d. 1904
Bound out of sequence: leaf 7 4 ablank precede leaves 1-6. 3, Williams, John Burns d. 1860 Bound out of sequence: leaves 7-10 precede leaves 1-6. 4. Welch, John Benjamin d. 1862 5. Hubbard, Charles Henry d. 1908 6. Hall, Nelson Gregory d. 1919 7 Brush, Platte Edward d. 1896
Bound in a bigarre sequence starting with least 21;
and in a bigarre sequence starting with 1-6 8. Bissell, Evelyn Lyman d. 1905 9. Bishop, Timothy Huggins d. 1906 10. Benedict, Abel Carter d. 1898. bound incorrectly - in sequence 12-17, 6-11, one blank, 1-5. 11. Barker, John William d. 1907 12. Ainey, David Carlisle, d. 1908 13. Alling, Lewis Henry d. 1864. Hernia. bound out of sequence Leaves 25-30 at Front, 1-6 at ends





24. L'Oberly July 25th. 1860.



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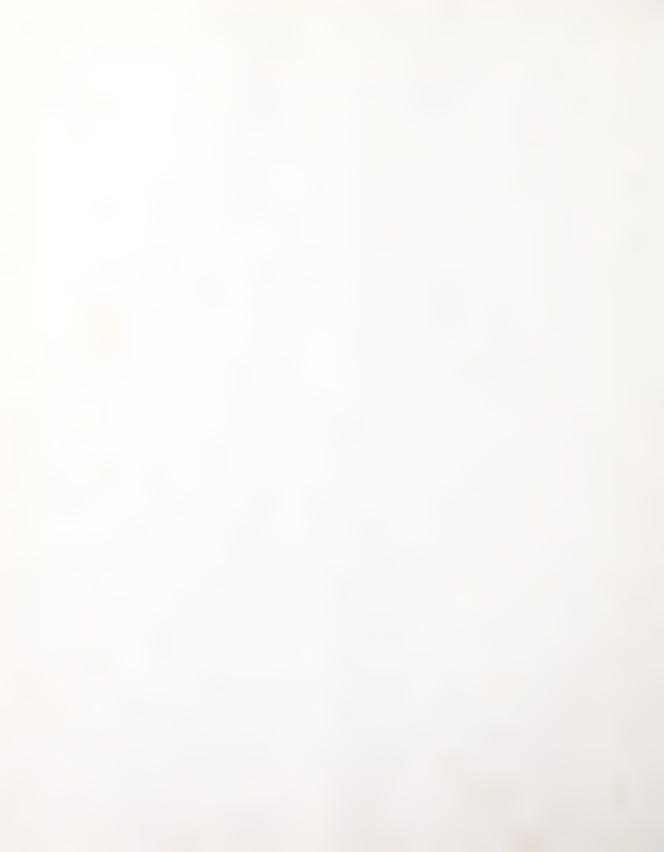
The earths revolution on her axis accomplishes similar changes it determines our time of activity and rest, it influences our organism her yearly ovolution around the sun works still greater changes, it regulates our seasons affecting life and organization, due ching all to act in harmonious concert to the thermometric and calorific rays of our central luminary. It causes our plants to awake from their slumber in spring to swell Their buds, expand their leaves to undergo the proscep of assimilation and to adorn nature with beautiful flowers; while by the same agents it strips them again for their winter repose, both, the result of similar causes differing merely in degree. My is it that hypernating animals seek a retreat in the brollow of trees and there remain secluded till the geneal warmth of spring calls them forth once more? They is it that birds keep changing climate



during spring and fall, propagating their species here and then return! My is it that fishes migrate in spring from their oceanic beds to smaller streams, to deposit Their spawn and on the approaching fall return from whence they came! are not all these influenced by astronomical events are not their changes similar in The general to the changes effected by the Earth's daily rotation, are they not similar to the daily wake and sleep so Essential to organization and life. These wents to the medical practitioner are no lep observable, they are written on the const-thution of man. back season has peculiarities of its own; our autumnal measmatics fevers are almost unknown at any other period. Scrofulous diseases as well as the Exanthon ata are greatly influenced thereby, while spring with its changes brings pain and distrefs to the afflicted sheumatic. Thus a general law is Established and a

fendency to a positive sevence shown althor general in knowledge at present may we carry it out in its details and establish truth while by so doing we shall be able to remove those quibbles by which inequals practices are sustained.









other unccasingly, shortening and lengthening of days, Equinoctial storms, The sultry heat of summer, and frigidity of winter, all of which changes have a greater or less influence, and are essentials to our present condition. This idea extended we observe in the regetable kingdom; some plants coming forth in spring but wither and die at the approach. - mg fall. Others of greater indurance and longevery smile on the advancement of civelization, yet they are included in this law of variation. In the earth's configur ation we also observe a continual change, hills and valleys are under the continual influence of physical agents. The uneven surface is continually forming a level, the detribus of rocks the product of atmospheric, glacial and fluveal influence is continually levelling the wrinkles on the earth's surface giving fertile soils for the growth of plants and the propagation and improvement of species.



Life and death which to the ignorant are separate are viewed by the chemist and physiologist as one, continually combined in the same individual. This decay of an organized being is a constant event commen. - cing with life and continuing after death. The physical exertion or mental attention in directing this pen is continually breaking down atoms which are to be removed from the body by transperation of the skin, Exhal. about from the lungs or through some of The other Emunchories, while an Equal portion of plasma is required to repair the lofs. Eight hundred pounds of oxygen is required yearly to oxidise the tissues and keep them in repair. Plants and animals are more or less depend - ent on each other. The former alone through physical agents are capable of converting morganic or mineral matter into the organized individual, appropriating the

Effete atoms of animal Expalation to their



growth and without which they cannot flourish. On the other hand animals subsist in regetables, giving in return carbonic aced, the pabulum of life to plants. This destructive prosceps though constant it has its life regulations and after death the avenues for the conduction of Effete atoms are closed and the mechanism appointed for that purpose is demolished. Thus time forms a part in animal life; beings in a few years pass away and during their life long period they are undergoing continual change Carbon is constantly escaping from the system broken down as it is from the traves by action, and this is directly related to the amount of exertion and the quantity of combustive material taken in as food. This breaking down of atoms or cells is at its maximum in the higher order of beings, Those in greatest activity undergoing the most rapid change. at night when rest of the body is observed this destruction of cells is at its minimum, respiration is then



diminished, heat is reduced, and the transm-

In the earth's formation physical forces have been at work at varied intervals, as is geologreatly shown by the sudden extermination of species, inabling the geologist to classify and arrange the formation into numerous spochs and periods. most recent in date we find the mammalian tribe undergoing the came change. The mastodon once grazing on our american forests have disappeared, leaving their bones intombed with species of animals still in existence. Nor does this extinction of oraces belong to the unintelligent orders alone, it is found in our own records of history. The indians once roaming over this country are gradually becoming exterminated, Their present home being in the far west and as the tide of civilization advances they are confined to smaller limets; gradually to die, with the wild animals of their domain. From the Earliest period of organization there has been this law



of progress. The civilized man of to day is a wholly different individual from the man that lived a thousand years ago, while his condition in life is similarly changed. Knowledge is ever in progress and advancing to perfection, requiring all to join the accom panying march or suffer the fate of death. The thermometric range to which man can accommodate himself is limited. Since water which enters so freely as an ingredient mto all organized tissues has an interval only of 180° between the boiling and freezing point while by these external conditions individual races are determined. The Esquemaux of The north confined to his show huts leading a barberous life, while the onhabitants of The torrid your are equally large and unin-- telligent. The intervening latitudes alone afford opportunity for man to clevate him - self above the animals with which he is surrounded. It is only where physical arcum - stances conspire that a full development



of the reasoning faculty is acquired. Thus we perceive that the our is the great life gives whose movements are accomplished by mechanical laws.

The carbonaceous matter circulating through our system as blood is transferred by respiration to the air aiding the growth of vegetation in forming its leaves, trunk, and colored flowers. The eval consumed in our furnaces is the regetation of former ages buried in the Earth for our welfare and enjoyment; in it we find the result of physical agents such as light, heat to which have been absorbed and rendered latent. From the foregoing considerations we observe the atmosphere to be the reservoir from which all living spring and unto which they all return - in it we find atoms coming from all the varied sources, such as participated in pleasure or pain of others which beautified nature by their lovely forms: Each performing its part and then returning to their general receprent to await their



The influence of physical agents on organization and life.

The progress of natural history, and the improvement in chemical analysis, affords us means of interpreting the works of nature; to discover their relation; the laws by which they are regulated, and their bearing on organization and life.

Newed philosophically it belonged to the 17th. century to discover the law of universal gravitation, to assign causes for the motion of the heavenly bodies, and to establish the doctrines of astronomy. In the 18th. century belongated the discovery of the relation or reaction of atoms, or the kindred sciences of physics and chemistry Mile to the 19th. century remains



the application of the sciences and the important function they perform in the complicate structure of life.

anterer to scientific knowledge, or before the application of the sciences, physiology for want of proper investigation advanced little or none, but remained as little Else Than an incredible narative of a substitution of fections for facts adhering to the vital force as an independent, homogeneous principle playing the only part in life uninfluenced by physical agents. But a principle like this is nowhere found in nature. If we look to the solar system we find immutable laws concerned to bring about certain effects. The moon revolves in her predistined course exhibiting her phases from time to time. The comet, the pendulum of the unwerse swings punctually past the sun completing its hyperbolic orbit, and then receding into the immensity of sprace to welcome other suns. The moving and



revolving orbs are all obedient to The same law, involving immutable principles, and indicating a common law incessantly in action In The history of the human race epochs have occurred with a similar degree of periodicity standing in relationship. with, or even bringing about the condition of modern evilization. as in our daily life there is no incident which is not in con-- nection with preceding circumstances, we naturally view the changes of our Existence as bearing the relation of cause and effect. If we surn our attention to the human body we find physical principles involved in construction; the bony skeleton on well known mechanical; the Eye on offical; and The circulation of the blood on the hydraulic action of the valves of the heart. The investigations of the present century century inform us that living structures are not the product of one homogeneous power but rather a resultant action of numerous forces.



Sife in the organic world is influenced by physical agents; as the magnetic needle by the inductive influence of magnetism. Gravity, cohesion, clasticity and all powers operating on makes and atoms play an important part in the evolution of every living form, and on them they are dependent for growth. Thus where in our investigations have been extended anight, the unknown has acceded to the known, while much remaining yet unknown is so for want of proper means of investigation

In the farther consideration of this subject the regetable will be included with the animal, for the two are so closely allied that the one cannot be spoken of without dealing with the other, and also because the influence of physical agents are more obviously seen in the regetable than the animal. Thus where er the light of the sun gains accep, organized beings or organized bodies spring up, whether in the atmosphere, on the surface of the earth,



or in water; while there they are influenced by periodical visissitudes, as observed in plants and animals. For no sooner does the sun sink below the horyon Than rest ensues, and activity ceases. In The plant the cartonic aced taken in by the spongioles is exhaled as such, instead of decomposing the gas fixing The carbon and liberating the oxygen. Many plants too at the approaching we close Their flowers and curl their leaves for the night to be vivified the following day. This same period of repose is observed by animals, except such as seek their pray by night. Thus light is Essential to life and its con--tunation, for animals as well as plants without its agency sicken and die. In decaying organic solutions animalcules will not appear nor is the tadpole metamorphosed into a frog without its presence. Thus light is life and darknip death.

In the Earlier formations of the Earth we find that physical agents have performed a



no less emportant office Than They do at The present time. They have on this encrust ed star developed changes of advancement. extinguished the life of one generation as a new one appeared. In the chance observer The extremes bear no resemblance as the trilob-- He of the primary fossilliferous rocks and man of most recent formation, but to the naturalist their alleance of construction resemble each other so much that he pronounces them to have sprung from the same intelligent mind. as in mathematics we have a continuous series each term bearing a definite relation to the one preceding, so in the construction of life all are built on a common plan in which there is a unity of design. In the planetary eystem we see fixed events from apparently variable causes, as the changes of the moon, solar eclipses, visits of comets, and on our own earth we observe the change of seasons, the oceanic tides following Each



him in the open air; and this change of emiloyment may of itself arrest the disease. The diet should be mourishing there is an insufficient quantity of oily natriment taken by most philisical ratients, They are generally averse to its use when in health: God Liver Cil is one of the best remedies in this dise. ase. It should be given as soon as there is any evidence of the existence of tribercles in the kings and it may also be of Service if its use is delayed until a Somewhat advanced period of the disease codine and its compounds have been Used with asserted advantage from its Supposed efficacy in Scrofula: Ofirim or Some of its preparations are useful to allay cough and restlessness, which are present in this disease.

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Miss y 3

Gentlemen

The Subject which I have delected as the theme of this dissertation is that of Phthisis It is unnecessary for me to say that I do not expect to advance any new theory in regard to the nature of this disease, or to bring before you any symptoms which you have not noticed in Scores of instances, neither to mention remedie's and mode's of administration which you have not employed, but merely to bring before you in as consise a manner as possible, that knowledge of the Subject which I have obtained by carefully reading the Standard authors who treat whon this formidable malady. With these preliminary remarks of proceed at once to The Consideration of my Subject -

The word whithesis means a wasting away, or consumeing. The general symptoms of this disease are Cough, dyspnea, expection, he mortysis, wasteing, hectic fever, hoarsness or loss of voice and diarhea



The appearance of tubercles as they are found in the lungs. "Subercles as they are found in the lungs vary very much in Size. They may be no larger than a hims head or they may be as large as a walnut, or they may be much larger. L'un tubercus are composed o unorganized matter of a yellowish color, and are Stated by arethors to be about the consistence of cheese. The a sparticle of matter is doposited it is liable to increase by continual deposition of fresh tubercular matter. Leter the tuvercular matter has assumed the Solid form it cannot undergo any change except through the agency of the harts around and in contact with it. Besides the true tubercle we often find another variety called miliary bubercle, They may both exist in the same lung, and at the same time, and frequently this is the case. As regards the manner in which tribercles Soften there is a difference of opinion. Some believeing that they commence to Soften in the center, and others that they do not.



I think as a general thing they do not commence to Soften in the center. I tubercular mass may be formed by the coalescing of Several Small Tubercles, and thus, tissues are compressed between them; and forn a part of the mass, These take on inflymation thous que and Supparate, thus giving the tubercle the appearance of commen--cing to soften in the center. Leter the tubercular matter has softened and been expectorated a cavity is left-as the result. The Intercular matter is deposited from the blood upon the inner lineing of the air cells and of the bronchial tubes communicateing with them. Ithen tubercles affect the lungs they are not deposited at randon, nor indifferently in all parts of the lung, It is in the Upper loves and the upper and back part of those lobes, that, in nineteen cases out of twenty that we meet with them when they are few, it is there that they are the largest and most numerous when they are Scattered



throughout the whole lung. It is here also that they begin to Soften and that the cavities are the largest. Tubercular Cavilies vary greatly in Size; they may be no larger than a frea, or they may be large enough to contain a fint or more of fluid The whole lobe may be converted into a sack of this kind. There is always one, and Sometimes more bronchial tubes enters these cavities . c. then a cavity has formed its inner durface presents a ragged appearance. " it is a restilen of lung be rendered Solid by Inflamation of by the resence of tubercles in it, the associetary signs will be the same. Il a vortion of lung be com'relely Solidified, vesicular breathing cannot be ward, but bronchias breathing and bronchopony was be audible. Percussion will give a dull sound whether the hart-Struck be preparized or blocked win by tubercular matter . Large crepitation, when it is heard, depends whon the passage of air chrough fluid contained in the bronchi.



chirgling respiration is produced by the passage of air through fluid contained in a tubercular cavity oradilated bronchial tube. If there is not any fluid contained in the cavity, the Sound heard is different from those which have been enumerated-it- is called cavernous restiration It is a hollow Sound Sometimes fectorilog us may be heard by applying the 'ear to the chest and causing the patient to Speak. Cough is generally the first thing that attracks the patients attention in this disease; it is resreally slight at first, and dry, and by degrees it begins to be more troublesome and is attended with some expec-- location of muons. Hemoptysis is resulty one of the first Symptoms of phthisis; it is the consequence and, the cause of the disease. Eystenea ismota very important symptom. Generally it does not become very urgent until near the termination of the disease and not always then If we watch a person that has phthisis you will generally perceive that his



respiration is more hurried than in health. Hectic fever, which is present in this disease, frequently Steals whon the patient unconsci--ously. It is ushered in by a chill, and the perspiration is more profuse than we should expect from the amount of fever, and it is also more propuse upon the repper part of the bady than the lower. Diarrhea is a bad Symptom when it appears. It does not usually appear until near the termination of the disease for it rapidly wastes the patients Strength, and the disease soon terminates. Usully, also, death is preceded by Some edema of the feet and ankles and sometimes of the face and hands. Treatment. It is my opinion that if we could see the disease in its first-stage that many might be cured by the rese of proper remedies. If the hatients occupation mele one that confines him to a close room and impure almosphere he should seek a different employment, one that will keep



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and the second of the second o from a height the judant stuking on the head a good and some lines from blenes There is no sur sign o. His Many Buding in a the conservat water some the good relied on asone of the most certain symptom equinion. the wanted with and without destudores for the green . i. sur ithere in fine in in in it is in it is in it where of the stace and the control districtance many i se gione being the hoire to the Hourt I .. The only sign to be retied on is the discrence from the our of in Lunis finish in consultanthe quantity is the net mortina examination show That when this occur here is combined with fractive of the skull rightine of the membranes of the train "he heatment is thousand and dealester ali distribu " here is a the definant west the the mountains. we the different parties in their chart it have in down report the hair It is said that with presion ... i. occurs in children which is not a sinclude but and it is of the bone of zecond to The more protection 10, in arvence while breaching at least of the muce

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or sien but at agang toice , and wise in he demand the hiprine and derater but they we wing more it and ton of some which helder will been with impounts In deputed quelun the oute latte man about to in. wed but this is the everyt in the growled seemed Low welly is the move lable defended or fullicul the who will amounting with suit but for a a with is more dy and with species out the The oute table this is explained by the free time a contraction in the whole it the wind had been which having no support but the yelding train is inchurch the outer being slightly or very saley not all injured when the union lable is in well with a willier tin my to the outer there is danger of compression and of themal ion of the train to the spicular of borce of there is a wound through the suite an outiningely und jeneline may be ownerly, all and some hour install. there is the ray amount unduction But if agreeyed in i suit it the supert plan is to nure unce, wain in in week to the ownered ruchuse















mumonia History of the disease. The lungs being a vitat organ, complicated in structure, and function and necewing the whole volume of blood contained in the body, no less than the heart, at every circulation cannot have failed to have suffered from the time disease commenced its variges whom the human system, and next to the digistive organs they probably more frequently suff. in than any other organ, while in their fatal tendency the disesses of the lungs are second to no other organ, No class of dis seases are more interesting, or mo. se important, or mon diservimy of consideration, Perhaps the most frequent form of disease of the lungs is Inflammation



described from the earliest records of medicine under the names of Tuenmonia, Performanonia, Pren. monetis, and Pulmonetis, or who confined to the Parenchymis or sub. stance of the lungs, or furnarely a. nd chiefly affects this postion of then structure, the desease may cononence un two ways, littuas Bro. nelutes, or it may originate culto resecutar structure and subseqmently envolve the larger tules, the disease is usually ushered in by segors, dyspross, and a chill hear. y fram, beneath and around the Sterner, there is high fever, flished face, injected conjunctiva, frain in the head, full rapid but cosupressible finder. The respusation is morbedly mesessed, this is one of the most constant sympton of the disease. In extreme cases



the proportionale number between the respiration and pulse is as one to two. There are three well marked and defined stages in Prumonia in the first, or conquetive, the parin. chyma of the affected lung is engor ged with blood, it is much haviin than natural and on being squesed between the finger and thumb still crefutates, when a section of the lung is made a frothy serum sometimes und es. The second stage Red Hepitizati. on, so called from the soledity of the large approaching that of the Lower, in this stage the lung no longer crefulates under the finger and when felaced in water sin As to Sto bottom. The Sherd stage is termed Suppurstine The lung when cut into exercise a yellow vi seid matter. The Physical Signs



of Inumonia include those of Au. scultation and Percussion, In the congested stage on Percussion the. re is slight dulmess. Auscultation reveals an unusual loudnessand roughness of the Vesicular Inum. me, similar to that caused by rub. bing between the finew and the sub a book of hair. this is called the trepetant Phoneus and is h. had at the commencement of Inspiration and at the end of Ex. puration, and is considered Pathognomonic of first stage, Thesigus of the second stage are more Taltrognomorne of the obserse, on Percussion there's complete duln. ess Auscultation revuls Bronchial Respiration and Bronchophony The signs of the stronged stage an not so characteristic of the cheseaus The Percussion is flat. Auscultation



detects the Bronchial Respiration, and Bronchophony. The Complic ations of Pneumonia, an Bronchtis Pleuro. Trumonia, and Typhord Poneumona. Bronchtis is the most common Complection, when there is Bronchilis, there is, if the Bronchi. al secretion is considerable the nois. y Rhonchi, which mustes the Physic. al signs of Prumoma, but on listeriimy at the end of Insperation, on the prosterior and inferior regions of the chest fine exepitation may generally be heard, if Fremmonia is present. In Pleuso- Prumoma the desease extends to the Plura causing an eff. useon of serrow, at first there is CH. fulation, whelst the duliness on Per. cussion is much more marked then in Prumoura, at least into he lower parts of the affected side. Typhoed Prumonia is a clisease



in which the impurfect airstion of blood is remarkably promunit, the frain me the chest is less severe and is more often absent altogether, while the sense of stricture and dyspin. oca an ungent. The color of the check is at first of a deep and voved red, as the disease advances it becomes of a purple tinge and at length is que ite beside. When Inumonia is to time mute favourably it is often charac terized by some cretical evaccuation such as the persperation, a latestions deposit in the min, the cough bee. omes less, the expectoration less vise. ed, and the skin becomes cool, and morst. The Causes of Brumonia. Lo. ng continued expressive to cold, biolent exertion disease of the Heart and Bronchilis, Expresure to cold is the most common cause. The Prognos. is of Brumonia is variable, in



ordinary Incumoria the Prognosis is favourable, when it is complicated with an affection of the Brain or Live, then it is unfavourable, also when occurring in very old persons. The Devotion of Pre. umorria is on an average about ten days. The Treatment of Procumonia is that of ordinary inflammation, hence bleeding is the most efficient remedy and should be functised fre, by at the beginning of the desorder. in plethone indiveduals a very large bluding funsued to the verge on By ncope is strongly recommended, offen the effect proveously produced by general bleeding can be continued by local bluding, after bluding other remedies are to be used for the frust. ose of countivacting the inflammato. ry sistation, of their the most import and are Fasterged Antimony and In recery. Whom a prostion of the lung



umains in the first or second stage of inflammation, but the greater fram st of it has passed into the Stierd St. age, then local bleeding sum toge. I sid of the remaining inflamat. son with less whoustin of strength Tarterzed Antimory should be go. in at first in small doses gradually increased. In the second stage balone Il in combenation with Opium show ld be given, together with expectorating mixtures. At the beginning of the third stage Blesters are useful, logether with St. smulants and Expectorating mixtures. Lessure tesk or Sulphate of Buine and arge doses of Gangrene of the lungs. In Pleuro. Incumoma a full doses of Of. seem after a large bleeding is recommended by the late Dr Armstrong, Blis ters are of service after the acute form of the disease has passed. Typhoid In ently sumones requests treatment consid.



modified
Bloodletting is ite bour and has a engliste influence on the disease. Dry cuffing on the chest is considered of advantage, Blisters and Ginspisms may give relief in slight cases, but their effect is limited where the whole frosterior frost of the lang is involved

6 John 13. Meteli











Montal Influence in Visiaco

The importance of the theme, rather than proportionale ability, on the bart of the writer, may be an aprilogy for its preemtation at this time _ all does not delrace from the practical interest of the subject, that it is so fraguently ignored in life projectional, by many, who while theoretically alknowledging the just claims which the matter should have upon the consideration of the caught observer, night to give it die might in Diagnosis and Treatment?

Fully to appreciate the import of the off quation phrased, Land mend no same corpore, a glanew at the mental and corporal Eliments, westing in man may be worthy of a moments attention; for, as in complex mechanism , the perfection of the whole, with an internate knowledge thereof the relations and mutal defendance of com. from parts, is attainable only by careful



research and examination

Insation thought and volition are commonly Considered dietinctive Characteristies, as and as the constituents of mental organization-Lo Lubthe in its manifestations - and into relations to the corporal, to recordity, as qualty to mystify ardent physiologisto and profound metaphysicians - Konough at prient is it for en to know, that the commeting link (as it bour) between mind and matter is the mose Gibro, delicate to its Constructions, with compher adaptation, to the functions which it performs - An affirmt Rystom of nerves brand imprissions from without mirand - an efferent System transmits Sonsations from the Centre to the periphing - The action of the former inducing impressions, which are made widne through the other, upon the muscular or true motor fibre. The body is so constituted, as to respond prompety to the influence which come to it. from the mind. - Hony organ or lysten of ongans looks , to some extent , in this deviction,



as the governing power in the performance of ils appropriate finetions; for though fime tional activity may be immediately referred to morous influence, not depending directly upon mental action - or cutain organs may be addressed which seem to act independently of all such impressions, upon minute hirs tragation, an indirect montal influence mill be discound, whose power cannot be ignored. I man relations are, to a certain degree, mutual. Thile it is exemial, to a proper performance, of many of the corporal functions, that the mind should be in a healthe Condition, aftentimes, it is equally important, to montal bigor that the bodily powers be mitie. proforming hell their appropriate duties - Proof is midles in confirmation of the addertion the experimen of Formy observant physician bring undoubtidly addicible , if necesary. Are then is discound the full meaning of the quotation abovemmentous Ine a sound mind" can only exist in a " found body", When



the normal relations of the one to the other are duly observed, and the appropriate functions of each suitably performed_ It is morely the perspose in the brief time al-lotted, to notice a fine of the various ways, he which these arlations may be deranged - the effects resulting therefrom which the general prineifales of treatment appropriate thereto - and at bust, the outline mie be improper, as must of messely be the Subject bring important the formers of the writer ill proportioned . The subject has moreover, many ramifications, lack hitmet. ing I worthy of consideration in itself-yet an attempt true only be made, to consider brifly a four of the minor, get important morbide Conditions, daily brought to the notice of the medical man, refrable directly or indirectly (Inthe respect to their termination) to the mm_ tal influence exerted the condition of the Same, and the particular physical diathesis existing. To certainly or Easily determine the nature and extent of these derangements, as



mue as the appropriate treatment in the from.
ins, is a matter dometimes impossible - offm
y trimely difficult - always requiring Careful
minitigation and discrimination.

Certain organd closely sympathize mit peculiar montal actions or diatheres - thomfore any disorder there existing, is liable to make spudy impression upon one or more of these Structured. - There wiels through moved agen. ey, a close intimacy between the mind and the organs of coreneation - blushing the actrily of metile tresur ling but he Evidence of the fact. Thus, morbid imaginations may induce Olivangements in physical Structure, apparmely dinous in this nature - undoubtidly so if the conditions gaming view thinte, and long maintained - Agoing man como into the office of a medical friend, a short time sme . Exprimeing great inconvine from a so called "palpitation of the heart" - On your. mation, no Evidence of organie lision or Emous Junetional Mirangement Could be discound,



nor mue it until Enquiry hilo the private habits of the patient, was instituted, that the existing durangement was fully appreciated or appropriate treatment recommended: The latter Consisted in the suitable Employment of general Fonie umidies , while Chiefly, attention was direct. ed to the montal manifestation, the patient ling urged to anthorn his mind from all Considerations of a debasing and Imerial Charaction and Engage his thoughts upon matters of higher import and Ennobling tendiney - nor mas the prescription found infficient in the hast digred.

Sudden and pormful impressions made upon the word the mind, experiely if from any cause this have been deranged, in creasing action, this countries becoming intolerable and how daw- grown - or from a comilar viewon, the hearts action may be tomporarily interruption or, in other cases, syneope may be induced through mental infure.



In all these cases, the action of the minds is to be duly considered. I treatment Calen. lated to under it less obnogious to deletimons impressions, not forgotten.

The porr of mental influence is striking. by manifest in that protion and too frequent. ill , Syspepsia - Ofton, is it different to determine sich certainty, which exerts the quater influmed in undering the unfortunate Lufferer mierable, montal disorder, or disangement of the digietino organs, which the cause and which the consiguence of all the mismy existing - or to which particularly, treatment should be applied - hader certain corcumstances both require attention - and that as baried as are the morbid conditions existing The Some Combalting treapour cannot perhaps be used he any two cases - While friquently, by lad & proplying experimens, the physician naliges the power of the muital over the corporal, so often dow he find this relation existing, in the disease under consideration



For is it, oftentiones, until having intermitted the administration of medicine - and Substituting a course of "moral treatment" that any diemed nevet is attained, or good Trrought. Tietures from real life may be drawn. dimonstrating forcibly the mierry of the con-Jimed Dejapiplie - Rommhat disiased prohaps corporally - far more diseased, montally; morous . Clicheartined - hypochondiaeal, with an imagination profectly inquisitorial, and an existence undered distressing, by a thousand forbodings of Eril - Could an doubt the forer of the agent or the result, that influence bring long exerted? - and, if any treatment Could be successful, would it not Intimate by relations to morbid condition of the montal organization; rlousing it from its ill directed efforts, & turning its powers in a hearthy and appropriate denetion; - not nighting the claims of the physical structure - but balaneing, and adjusting, as far as possible, the Conditions and relation of the our to the other.



Though too much time already has been dirated to this point, I cannot refrain from introducing, the course of tratment, adapted by one of the ablet and most repreted ply. sicians of our State, and for many years and honor to this School, in the chair of Materia Medica, - since it sime mu to illustrate the principle, which it has been my aim to expres. The patient, a man in the frime of life long a victim to Dyepipsia - called upm the Dr, who upon examination found him presiesed of many of the characteristies above Indicated, and too all appearances, byond the reach of simple medication - Ar mienbed immediately, horsebuck yereise, and that, in his own society - and by skiefully, get gradually withdrawing his mind from a Constant fixation upon homself & his Complaints, to morks of nature and luitable literature, had the pleasure of sleing his patient, in due time restored to Loundnies.



Agetiria, a source of no little perplyily? and in it's manifold manifestations, often exendingly difficult of diagnosis ortratound. (Smulating as it does, almost nony desease to which "flich is heir" ! yet, at times, affords fine apportunity for highly successful and satisfactory treatment trong informations made upon the mind, have more than once been found efficient. after long months of fruithes medication In fact, but little can be accomplish. Ed , entil the annutal forers are brought Somewhat under control , and then, the dranged morous Lystim, Subject to it. du a certain class of diseases, attended with westiment of the movous Lystino, medicine is frequently found bufficient, until treatment is particularly directed to the mind: frais allayed - donots removed . and the heart in -Spind by the hope of ultimate recovery. The milir has observed more than one Case where after long and fruithes medication,



a for plain and judicious remarks from the Johnseite to the permanent improvement of the pa-Certain montal States may interfere with the efforts of nature to bring about certain Ends. As in partintion, an irritable fortful or dis. ponding condition of mind, may often returd, if not absolutely check the progress of the labor, -Who perhaps, a churing word or an meouraging exhortation, from the attending physician. may prove . Combined with judicious management, of wonderful smefits Surgeons frequently find in practice, that the proper reparative processes of nature (as after hounds and truises, or emond lesion of Structure) are retarded by Circumstances referable to mintal action nor is it with these influences time comtracted, that the proces of cure is riestablished. The reduction of distocations - restoring of Armial protousions - replacing of fractured parts. the Indurance of an operation of Subsiguent risto.



ration to doundries, defend, in barious rus. facts and under baried circumstances, upon annutal influence. - Ingular cases are reported, in which impressions, do spudy teffetire, mod made through the mind, as to brufit and som Ultimately cure . Chronic disorder of long standing ; and upon this principle no may generally account for wondrous cures, published to the astonished world , through the agency of how. trums & hostrum binders, irrigular praeticioners of Every species - as me as the succes attrib. uted to Homeopathy - Thomsonianism - Hydro-Joathy - Ceclieticism - Caneur Doctors . From Sethers It alie istins generis_whose fortune defineds, afrow the unbounded Confidence, Which they induce in their powers to cure praction than the least real efficiely be treatment or corner Knowledge of the Haling art. In the proceeding paragraphs, instances of more from occurred in life professional have bun selected, and some these through want of time hand not received Merited Consideration.



As allusion has been made to graver and more infortimale conditions of the general system, Closely commeted with disease long existing in the mind . Ansanily - divey in protian forms, exhibit but too charey, the Angums matility of all ageneis, in restoration to coundness. When disease is findly fixed in the montal organism. From this for considerations, it is behind that a practical truth may be deduced of especial value to the young practicionswhich is, the importance of learning larly & core. fully to discriminate the power of mintal influence. Three is reason to believe, that a frequent Cause of Luceus or failure in the practice of mid some, is matility, it may be to tetrmate properly Johnsical Rigins - Equal mability, to interpret mintal States of manifestations. The Physicians Book is truly a noble our - and great, may be his anflumes for good . Whom, with judicious & Skill-Jul administration of physical limidial agents, he is able to combine form to influence the mind, Control faintably direct its action & in the baried experimens of his profusional Caren







Of the Mund physiologically + psychically considered-The sufrenorety of the Human Mind over that wen A the highest the velopment among the town orders of animal is obvious. This aises noton ly from the fact of the fan greater variety Ascope of his facilities, but still more from that dominant powerfthe Will which gives him the ability to use thom for the accomplishment of the highesta munt of good For it is willout that so for as the directions of his thought + desires A feelings are the affect morely of the action of impressions external to him, made upon an organization having certain respond ent toutencies to fat he must be com sidered as mesponsible for his action for this his character is formed for not by him But on the other hand Infan as he is able to igent a Wolilional pour of directing his thought & control my his Emolions, he may risa superior to cu-

currelances, may use to the bist account the Suletteeluat que elliss with which he may Answer that high sterretard which his hutime may be able to attain unto mi kit present opher of spistance and him he connel but obseros the broad distinction beliveen man & the cours animalistin man of the town unders of animal gislence we underd see willowed of rationality. he see in them the manifestations display. Id hy them of their Emotion But wel do not see no have no reason to believe they have any such controling priveres is pirassed by man in the Will But on the contrary all observation would From undered to tend us to amosposite con dusion Her us precios them to be enlively under the pour of the releast &. motions which for the time possess them talso that by no act of the Mil houson shong have they the power to leaf them

In subjugation on by any voluntary Effort to turn their allention into another cham nel. He forceive in this a strikning resem-Hance between their condition & that of the Sommanbulett, the Decemenonsome ferson from the fact that in all of whom this volundary control is suffereded tuho may best influenced by the one gestions of ideas that by a profer stringlus any action in its heline esspondentakich is in accordance with the habitual states of the individual may be called forthe the see precisel, the same thing in animals which are trained to the Repeation of certim wunds of mousanents, There are forformed it is evident in respondence to cortain promptings consegred to them through their Amorning. In the Human freies he der very nilsimediate grade tion from an intere want of Jossesson to that of a forfeel controling from of the Well- On the one heard there are

found those who from an Extreme weak-11880 of their wills undo much accustomed to achopen the prompting of hividing Julsed who deldom act otherwise their from some impulse that they com seurcely be said to be volunteing agents or those who perant contain willing releas on har betial feelings to obtain such a pour over them as that they take the place of the Will or in riess that controling pour which the Will alone ought to Exp M. While on the other handene seea four noble spanifiles of what a determine Well acting in a right direction can Afret. af these tur classes en have two shitting illustrations in the lives of those Two distinguished non Colonitiza Souther. Of the former it is said his unlecourse of life was one continued proof of the weakness of his Will for with minerous gigabitic prijects con trinally in his shind he could never

bring himself even seriously to attempt to specule any one of them; & his utter deficiency in self-control rendered it necest-Dang In himerelfore that he should yell himselfle the control of others On the other hand we have with life Alebrane career of Souther, a fine &. ample of what a determined Will acting under a thone sense of duty meng do m ulitizane & lumine to the lest-account andburnent Adjacom Janutively middling order- Inchild un efficially this Gradation maybe exact seen How importent that The Cadene object in their Education should bet the development of this pour of self contrat Having surveyed those prints that or dranky distinguish man from the louch anders of animals or sather that chiefly that grands Iwaldiohindren The dominant Journas

the Hell: we now pass to the hue functions of the Probeens of the Brain of han, In regard to its general Junctions us have, Evillence from an examination of No com Janative develof ment both in han Am the animals that it is the seat of Intelli-Gance. In those races of animals most as truguished for their Educability & ni lettigence no find it the mondevelopel ald in man those who have obtained the most sufluence over the understand med of others, man of cled thought of shong Esatoh of determined Thele have always bern large trained persons: those whose Emstrohal londencies have been held in subjection to the reason of the Will tuno have devoted their whole energy to the fastienlar opices of their publits With menofgries hourse it is dif prent There men act rather you the feeling & intuitions of others thom you then understanding Induck

the Cordmin is not large The in them the deafe en four of the Mind is not high-The more comforative size of the Casement of the amount of mental four but coterns faribus it dues - " The considerations of that myderious connections or those relations of the sp gration of the mind itself to those of the bodily Organism neglemend our attentionand have the frist thing that fresents stall is the long continued & of beeprotect controversies; sufforted on the one hand by the advocates of the matorialists fon the other by those of the Sinteralists hypotheses; conhiveries In /28 Justerous les la verning us of a fable he haveduneahere read of emortel contest which was carried only time Knights about the material fatheld which they saw from offosile sides:

the one meintained it h be made figila the other of silver, rach of course proving hunself to be right as section the half seen by himself It to thus the Breine Alls mile All consections have hen streetied. By the older misthouts of research Metaphysicians studied etaholly without resource to the malevel histruments; whelst the Brain has been mort constully dissected by anatomists & most sometinizing analyzed by Chemists as if they Expet Ed the actuall see thought & maly 2 2mohono asa Chemist would analyze air n water But they are or closely landed in their actions that the way to gin hue Avelueble information is to seek for it at the foints of contact By not Juring this course have the context - The doe him of the malmalist marroud is that which reduces mantiathink

me machine His arguments me found in that whole deries of phenomene which so dearly much the milliones of the body on the Mind of physical on Asychical states- The ductione of the Spritualits is ma word that which mules man to folders as it time his deforate existences vig the mind outsite of the body of adeferate Tinna truck Epistence & of that love purt form metaline which freaks our the body & is in its turn affected through VI- on this is involved annit fornicions 22102 Fil miconsistered with the while theor, & practice of laucation. Hornight harning always regriniged explaned in pristions as having a most valuable part an The formation of character for soloney as this bely direction, power is not acguired Ir long the character is what A is merely by realing + Iv long for the charucter of the mulii illuch is formed

for hat by hum thef-formation has with cornerneed lind wild this has Crubilineed how can one become Lispon relie vinsly? — " Men strong entre grows In which there tie doctrine had thry both admil & both suffield criticischin portaint & leculing buths of Human Malura form there lun doctrined, hy Julhise many of Every gradation from the one latter other have been deduced Ligually as absurded the original Quelitical the undelves. Buther none of there has there, bein that which was sufficient to sutisfy the Minds The religious physiologustic foundalion balts factor on which to daid It has therefore Vere left for home li erai a new dufordinatione consist End-harmond & hant fit mall ils fants trivolving 110 agezins evros

bading to Tro false views & practices -) and in no theory so far as I know to us find In much that is consistent with buth that is so sales pectory to the Human mind, in which there is ni itself and brandt ful harmong as in the one which may be lowied the Constalion of forest If which mean, the recognitions that Journof the the to deletate howens merelat delivet; Horr he recognize a Constation believe these two mules of de nemicel agoneiro. Fitte conlonded that this view is in the teast Mored to the idea that hing may have om pillence allegather milefondent of the modernal body through which it thus manifests thelf, it will be seen that it only thous that the connection between the Ming Wen Said in virtue Jub constitution

allefunde relation to the other in this persoulstate of postance; + that the action of ine Minds sofar as they are carried our without any wite felice ofour Wills are or Irag be considered ans frenctions of the CERE lum, Butto for as the Will exects a contintenting distring pour our the course of throught sofen we have widenes fa new + entire ly sudopender of four which at this habrutally eggeled bonds to weder the individual a free agent that widerdone by the Unitie of the Will that we wie fut mere thinking machines restances ine not wanting howward those who active for the mist front from more sinfulse almost Endered love the four in of Executive it & hends meny be called were thickny automate. and it is by the Knowledge obluried from there states that we gave the most Lites factory ideas of hor much whire

to the Will mi the oferations of the mud In Control in our thought & houmuch tomore automatic oferations, - Is Healt nou of the various elementery fends of houtet action in the mides in which the Mind or gradualf devilfeel would be both milersling fin-Amelion but time will not from Althe mont outrolland forhely there is the impression externally the Ornsvium made ufon it for aucine conscients sell in fact this through the avenue of the senses that om much de not semain forever annout as a seed lies at rester long as not exposed to those congrued influences causing the gorminates I had & Rosson & lear fruit, whe mind so long as closed to all the andels of bensalion servicins madion This ong through this medium, sen sature, that we obtain a showledge

of the material world around at But did ne advance in forther than Mus, a densational consciousness in the seals of arreleforent of the Miny In should be little more their men machines. But lihre the Mind has attained a certain steege of develofment, it seems of Mosel to dishinquish that which is glernal of the Course of a sensalional change - Anot Jones flions and lemmed & right or intuitions In this opter so hopean in which the Annal acts are inchicked men, thing of great sin-Justeince in its religious develofment for instance: it is by those intuitive Jelling of and + 18voience inspired of disch of granden & sullinity considered with that mud sentiment & goodness that us receive the first sinfaces -Tions of religions leachingo-

But Hill hugher in the scale of develofmant are arrive at that state of the mind in which its oferations bethe changes sensation produced in them & forms that distinct men let sufferentetron or Idea of an object which is wholly as forate, from Efrience & has the characters an ende fonelant mantal trath How this action of the mind wa gain those elles relative to the Epilence & altributes of the Deite The necessarily form the tile of mi finity by the forcestion of Mites islande of the delf-apillers by de-findency toom It has been suf-Joseel that in this mennes is form-Ed thet is termell Conscience, the muldense, considered by theologi ans as an autocratic faculty But it seems to me wither view by they

alone hoolied an zur The determination of what is right & wing is not a matter of pullgonent alone more than the dietetions of an abselute faculty. But Atte fouls Ufon a combination of action vij ufon that natural affectionsion Trucht wrong which mi the child preceded the four ni them to commeneral languege ly which was convay minal hutte talsvapon the pictoment. This it deems to one to be the conselver ouch are afoud the moles in which the thind is gradualeder velifed + the results- as the hind anver at a hiefer steige flevel-Ament the offerent become less I simple & mu complep. These are Moun as Intellectuel faculties enduding the reasoning fores, Imegination se But of the highest

Imfortance among the operations of the mind is Wolition - the direct my I controlling found the Holl. This may be used as the meens of great good aswell as of great soil and this will wholly defend upon the direction in which it is employed. I we do not allow the kigh En class of enotives to influence us if ever airegard the dictates of conserved If the attention upon the indulgence en sensual & maleovlest propersities us shall acquire enve of the Saltonic than Divine character But so for as we Jusur an offosite course Is far we shall Jossess more of the Divine character-In the unds of another-from the dolames fositionly toutlyully Evil types I Human Reduce in which the higher forms are curred to the work account, we are day conducted through the brutest or negationely soil lytestowards the higher aspect of humanity

which is forsented by those, who habit welly hort before them the Divine, edeal Auto stractil andravor to bring the unole reduce into consomit with it This is not to be Meded by aurlling spelusivel manyour Ist Inolive alreadly referred to as those which the hule relie was man heefs before his mond Chen the rilea of Dute along truck to reduce the tirelividnel to the hilserine fellave edt or than to enduce in him that him matter over himself which consists in such a regulation of his Emplions & profounties that his come A aut treomes the Anntaneous epit is a most fourful aid ni the acquirement of that regulation & the figation of the thought & affect two on things on high which is the hed mand delathing them

from all that is Earthy & debesing The is by the assimilation rather than by the subjugation of the Human Will to the Stoins that man is really left-El lowerd God: A in profortion as this assimulation her been affected choes it manifest itself in the life of conduct or that were the louliest actions become holy minstrations hi a limple consecrated by the felt presence of Divisity. Onothers the afe of the Savious towards that stand. arelikis In the Christain disciple The Gregory Hall-



and a movements as if preparatory to a tiger like spring on his visitor, who had just entered his cell, the unfortunate being saw eyes beaming with kindness and placed features , expressing benig-- mily and good will . Soon his own count--enance underwent a change; the mere brute was once again a human being; and when the tones of affectionate inquiry reached his ears and the hand of greeting was extended towards him, he could only answer and reciprocate by shedding tears, the fountains of which had long been dried up by the fiery furnace of maddened feelings, wrought to fury by angry menace and brutal punishment. From This moment the cure of the poor maniac, which had been regarded as hopeless, was begun, and terminated in entire restoration to health and reason o

But I have already



wearied your patience, and in conclusion would say that such is medical Heroism. Incie we some of the right examples which our much disparaged Profession furnishes. It is true the world ignores them, and that medical Heroes are not appreciated when hiving and are forgotten when dead. Dut he who patterns after them, and strives to equal them, evinces true and land. - able ambition; for it is a yearning after virtue for virtues sake.

HEdward Brush.



noble character were united the physic--ians skill, the soldiers courage, and the Christians humanity" The name of Mour--ard is every where celebrated, and prais--ed in terms of narm gratitude? as the reformer of prison abuses and prison cruelties. It has obtained a place in the history of the worlds progress. The name of I'mel is not I am afraid fam-- iliar even to the medical world; and it is still less to the world at large g as that of a physician who both by per--sonal services and earnest teaching, brought about a reform in the manage--ment and discipline of Asylums for the Insance which may now be properly regarded as one of the strongest proofs of advanced civilization. If a proper sympathy and sentiment for human--ity and justice have been enlisted by . The benevolent Englishmang in what light ought we to regard the services of



the equally benevolent Frenchman, who reminded men of their duties to the fromidence-stricken but irresponsible insune ? Excuse might be found for vindictive harshness to the criminal who has made war on society; but where is the extenu -ation for more deliberate cruelty practiced so long and so generally on those unfortunate beings bereft of their rea--song many of whom gout a short time before ghad been the delight of the so--cial circle g and cherished members of the family ? That was indeed acritic--al moment in the life of Inviel , and in The history of benevolent trials for the miti--gation of human suffering , when he resolv--ed to test the correctness of his principles of non-restraint; by holding direct per--sonal intercourse with a violent maniac, whose chains and fetters he had previous-- by directed to be removed. The trial was entirely successful. After an eager gaze



Miller g of the Red Sandstone fame Trovi--ded with some rung biscuit, and salt meat, he was left with his charge; his only companion a private soldier, act-- mg us his servanto This was mideed a fol--orn prospect. bould he escape from the savage assaults of the marauding Cossacks, a party of whom had ruthlessly destroyed a villa not many miles off, on the road to Salahlava, the residence, too, of a Tussian country surgeon or phys--icean, who had been obliged to make a hasty retreat. Even the patients them - selver whether under the influence of fever , caused by their wounds , or by mere brutal ferocity g had fired at or stabbed the humane individuals who were then drissing their wounds. The days however, did Iurgeon Thompson pass in the midst of such a people, whose language was unknown to him, without any companion but his soldier servant. Often



were these two Englishmen obliged to extri - cate the wounded from beneath the dead before their gashes could be healed and also to bury the dead because of the pestilen--trul smell arising from the mutilated carcasses. Their scarty supply of food was about to fail them. On the dreaded approach of a swarm of bossacks, 340 wounded men , who five days previous - by lay in helpless agony on the ground, walked away with Jurgeon Thompson to the shore gand gafter overwhelining Their deliverer from death with expressions of gratitude, sailed for Odessa. The surgeon himself escaped from the Cossache, and reached the English head quarters on the 4th of October, but died of Cholera the next day, worn out by The hardships he had undergone. Turely" adds the English journalist James Thompson of the 44th regiment, has earned a monunicate for in his own



of benevolent zeal spent on so good and reserved a purhose o Again in the Crimean war, after the battle of the Almag in which The Russians were defeated by the allied Troops of France and England gin 1854. All have read of the feats of valor displayed on both sides on that bloody field - The weeking fire of the artillery the daring Chirge I cavalry, the deadly encounter of the columns of infantring when men met with bayonets crossed in the mix--ed excitement of animal passion, nation-- at rivalry g and the thirst for honor and distinction. The names of It. Arnaud and Daglang the victorious Generals, were anddenly sounded in both Hemispheres, and theytook at once their places in history. But the real herog the surioug not the destroy--irg appeared on the day after the battley un-- heralded by drum or trumpets a devoted , and to all appearances a doomed volunteer in The cause of humanity. The



arried forces were under the military obligation of advancing rapidly on Sebastopol in pursuit of the retreating Hussians, and in so doing to leave 150 wounded of the enerry behind them on the field of battle. Who to use the words of an English medical Journal g'is that single individual who of all the host that is marching away from the scene of its late triumph, is still to be found on that blood stained field & And. what is the errand on which he is engaged, Thus alone arrong his enemies watching The retreating forms of his friends, his countrymen , and gathering up his cour--age as best he may gto undertake the du - ties which in obedience to the dictates of humanity of it has become his duty to perform. This most painful and desolate duty was imposed upon himself by Dr. Thornprow of the 44th regiment ga native of bromarty in the norther part of Scot--land, the birthplace also of Hugh



planue g but he inoculated himself with their blood and other fluids. On another occurion gafter Berthollet had expressed his belief that the poison of the plague was conveyed into the bode be means of the salivaga patient of dying of this disease, begged that Lesgenettes would take a part of what was left of the draught that had been prescribed for himo Without hesitation gor betraying the Slightest emotion & Desgenettes took the cup from the sick man , filled it up, and drank its contents entire. If we believe that the design of the two - he military leader and the physician - was the same at this time g Vizg to infuse confidence into the minds of the oldiers g it is not difficult to decide to which of these would be awarded the palm for the daring exposure of his life o napoleon fell that all of his pros--prects of conquest and fame would be cloud--id unless he could restore the wirking cour--uge of his army; and hence he readily



incurred some danger to secure so import--ant an end . Desgenette was bouged up by no such aspirations. His incentives were humanity and a search after truth. Why not make this fine trail of the physician more prominent than that of the soldier in a school history & While French medicine was thus represented in Egypt by the calm and selfpossessed Desgenettes who was at the head of the medical staff, French surg-- ery shone with perhaps still greater lustre in The person of the eminent Larry , who, by his moention of the light ambulence for carrying of the wounded from the field of battles won The affection of the soldier, and by this act alone becomes entitled to honorable mention in the annals of philanthropy g From the burning sands of Egypt, to the ice-bound Rivers and snow-covered Mains of Mussear in Toland, in Jaxony, in Austria, in Staly, in Spain and in France itself & Garrey not only encountered all the vicissitudes of climate



and season g and the hardships incident to camp life , but he was constantly engaged in The discharge of his arduous dities as field and hospital surgeon, fearless of personal risk , and intent only on affording the promptest relief to those placed under his care. He did not wait at a safe distance from the field of battle for the wounded to be brought to him's he was found in the midst of the wounded, the dying g and the dead g ready and resolute g and always self-prossessed; operating with equal promptitude and skill on those whom he could first reach or who were most in need of his services , and not caring for The rank of the prostrate man before kind Instances are recorded in which Larrey and his assistants g carried away by their professional g and shall it be said in purty also , their national enthusrousny were seen giving their allentions to the wounded near the imminent and deadly



breach itself, amidst a shower of destructive missiles which were carrying worunds and death to those around them. Lourrey was expressed to the same fire under which baff-- erelling Lannes g Beauharnois, and many others fell geither wounded or never to rise again. After the long contested and bloody battle of Enlaw, in Tolish Trussice, between the French and Dussians, The Emperor napoleon found Larrey standing in the mown under a slight canopy of brunch--1: of trees , engaged in dressing The wounded; and on his hassing by the same place, at the summe hours on the sollowing days he saw the indefutigable surgeon still occu-- pried as before In this way did Larrey spend twenty four hours uninteruptedly except in the few minutes snatched for a rurried repast. We have all heard or read of displays of Zeal- Wing ion panitical, putriotic, and arnorous - but seldom has there been recorded a finer example



place g us one of the medical herves who won his honors and enduring fame in The trying year of 1793, and in the other epidemic invasions of the yellow fever during the next twelve years. The fever of 1798 revived the terrors and mortality of 1793, and at the same time, gave of-- portunities for a display of heroic devotedness on the part of the physicians similar to that manifested in the latter year. Itill more animated must have been the feelings of the whole French army in Egypt, under Rapoleon, or as he was more commonly called Buonaparte, towards The chief of the medical and surgical staff. The troops after witnessing the rawages of the plague o lecame alarmed and dis - heartened; and men who had never fear--ed an enemy in the field of battle gnow shrank with horror from the touch and breath of a sick companion in the quiet tento so the General such a state of things



was worse than the loss of a battle . In vain were the soldiers told that their years were without foundation; in vain were They addressed in the language of encour--agement and hope o Tomething must be done geither to change Their belief or to ap-- peal strongly to their magination . Accordingly Napoleon himself conversed free-- by with the patients who were stricken with the plague, and touched their bodies, and even sometimes performed the part of a nurse by raising them up and supporting them in their beds g in order to prove that there was no danger gand that the disease was not contagious. These traits of cool courage are recorded by every historian of the wars of the French Revolution; but few have thought it worth while to moone of the physicians of the in Egypt. He not only touched and handled the bodies of those who had sickened with the



inducencents; They could readily afford to foreyo a part of their remilation for benevolence und disinterestedness in consideration of Their receiving that by which they could Lumport their wives and children's or and aged parent g or a love sister o Dut it so happens, that in all epidemic and pestilential diseases , The chief privations and dangers incurred by medical men are in Their attendance on the poor, the needy and the distitute , and not seld on the dissolute , who have no claim on them by prior acquantance or the most trivial service, and from whom they receive no fees and often no thanks, or the stightest token of gratitude. The greater part of the mortality among the Frish physicians was caused by Their attendance on hospitals and on the moor and half starved occupants of cabins and hamletog the air of which was often in such a state of concentrated virulence as to strike on the nervous system with



almost the force and suddenness of the electric aura. And shall no page in history , no lines in poetry, celebrate the heroic deeds of these devoted meno who must have battled with a stouler heart against an unseen enemy than Deonidas and his Spartan band against the Persian host, or the Eight Brigade in its daring and rash charge on the seried Russian lines at Inhermann? These heroes of humanity ought to be honored with a monumental inscription g even though it were couched in as brief a phrase as that over the remains of the Athenians under Miltiades-They fought at Mearathow" In the history of the war of the revolutions Dr. Benjamin Bush as one of the signers of the Declaration of Independence, and Physician General to the army will always figure with the other worthies of that momentous period. But in the history of Whilanthropy he will occupy a still higher



Medical Heroism.

Medical Heroism! Is there really such a thing? The world Knows nothing of it. Who ever talks of such a thing. Who ever disconnects the idea of heroism from feats of broil and battle"? Who ever thinks of seeking for true courage in the much despised, often ridiculed, and very generally unrequited vocation of the meedical Tractitioner? Docs history in the discharge of her duties, rake up for record instances of heroism from such a despised source? Does the novelist, as he ransacks history, or scrutinizes society from palace to hovel, for material, ever dream that the Doctor" of his story can figure in any other Than a ridiculous attitude? Is There



truly anything in the actions of medical men that is heroic? Is the Doctor" ever the hero of any thing save a nauseous draught or a petty professional quarrel? Alas! that the world generally can ask these questions in the utmost sincerity. Alas! that the profession must sound its own praise, or never hear it.

Medical Heroison is not a myth, Overy practicing physician has often braved danger, without hope of reward, either in money or fame. But it is not strange that the world does not fully appreciate This fact. It is too common to be noticeable. But when pestilence walketh ubroad, and startled communities fly from the scene of danger and death when tres of friendship or blood are not strong enough to retain the fleeing one, to smooth the dying couch and admin ister the cup of water to the loathsome relic of friend or brother-who stand



firm, and faithfully discharge duties which are now heroic in their nature? not only so; but when The ranks of these brave men are thinned by the enemy which they so determinedly battle, who step in to take Their places? Who leave home and friends, to fly to the rescue? Medical Men, Is it not strange that such deeds do not live in history . Perry lives in the hearts of his countrymen, and mon-- remental fame will be his 3 but will ad-- miration or gratitude ever call up and perpetuate the names of those brave men who volunteered and fought the cholera in Sandusky, with a courage unsurpassed, and a determination in which, Don't give up the ship" was written in acts of love and mercy? The two are neighboring Scenes: one is already sacred & will the other iver become so? Will the Medical Veroes of Worfolk live in history & Get deeds of bravery were here enacted such as were



never witnessed on battle field. No short lived excitement moved those men, but for weeks they coolly faced the enemy , until they finally fell in action, or were permitted to share in victory. The medical hero in Christian lands is not to be sought for in courts or in camps; nor in the buse and crowded haunts of the wealth-seeking ; he is neither a dernagogue, inflaning the passions of the multitude , nor a parasite flattering the prejudices of the rich, or ministering to the caprice of those in powers Ill seldom finds a place in pageant or in festival; seldom is called upon to add his voice to the peans of victory. He passes through the crowd often unknown and uncared for unless indeed it may be when he meets the face of one radiant with smiles, whom he had visited but a short time before a prostrute on the bed of sickness or hears his name uttered by an other in a tone equivalent to saying o God



bless him? But in what terms by what epithets shall we designate him who, without any such genial incentives, without any expectation of possible reciprosity, or hope of applacese, and certainly without uny of the returns for self exposure which men might expect of men, goes about from day to day, and often too in the silent watches of the night, in a spirit of self-sacrifice of ease, comfort, health, and life itself, ministering relief to his pestilence-stricken and fever tossed fellow creature , the immate it may beg of a garret or a cellar of some wretched tenement of in an affected court or alleys the approach of which is by a narrow passage g obstructed by accumulations of all kinds of refuse and impurities? Is this man a soldiers mured to scenes of carnage and death, whose vocation makes him regardless of danger, and who, although he may be detailed on the folorn hope & knows that if he falls g his name will be recorded in The



Jazette g and his wife and children receive perhaps a pension? Or is he a salaried official. who for a certain precumary return and perquisites, is discharging a prescribed and Covenanted duty? Oh no? This simple-minded mang who goes about his duty for duty's and humanity's sake , is only a doctor, one of a class at whom every willing is priveleged to fling a sarcusmig and whom every venal quack may accuse of selfishness gand greedmess of gold. During the famine fever of 1847 me Ireland, one hundred and seventy eight Wrish medical practitioners, exclusive of medical pupils and army surgeons, diedy being a proportion of nearly seven per cent, or one in every 13 medical practitioners in a single year. Jome persons may say that physicians who thus expose Themselves, and who pay the frenalty of death for their exposure are encouraged by the expectation of pecuniary advantage in the shape of fees. We must all wish that they had such







A dissertation on Anunism.

Evelyn Syman Bissell -

_ Candidate -

For the Degree of Doctor in Medicine.

Dennery 13th 1860.



A dissertation on Anuism.

By the term arrewism is meant a pulsating tuhour, composed of a sac filled with blood, purity fluid, partly conquilated, and whose cavity communicules with an arting. Of the different kinds of anuisms- First, there is the true circumscribed anemism, which consist of a suc formed by the dilatation, or by suptime, or ulceration from within of me or more of the entiral times, and is generally the result of some organic disease. Decendly the Julse or tranmatic anewism, which is formed by the dilatation of the lymph, which forms the cicatrix after the wound is healed Thirdly - the dissecting anewism, when the bloods Strips up me ir more of the entiral times, and finaly ofrening into the arting at emother print, This form of ancurism is generally a run disease -Southly- the diffused answism, which is caused when the arting is lacerated by a broken bone for instance, without any wound in the skin, ir where the entry has been princtined and the



wound in the skin has healed quickly, that in the artery remaining ofen. The sac formed in this case, is the cellular tissue. Besides these, there are other kinds which will not be necessary to mention here at pres ent, but will confined myself, to the description of the most important, us well as the most friquent of these, namely the true circumscribed anumen. First as to its pathology, From the recent investigation of our modern Physiologists this disease literaly shows that there is some alterations, or change of structure in the couls of the artery, Some times the middle couts branes ofake and yellow in consistence, some times it degenerates into a fully substince, which hus a soft pultucious athermations matter definited upon it, which if seen under the Microscofe Thous it to be composed of earthy and albuminens matter, a few vil globules, crystaline scules und plates, and is chiefty confrosed of cholesterine, a substance analogous to that found in the Bile - Sustly there may be deposited in spots or scules a bittle culcannes substance composed of Thosphate of Soda, which in old people is of a



Spots, the animism commences by the giving away of the internal and middle couls of the artery, The Esternal could bring of an elastic nature is some dilated into a french from the continous pressure of the hearts infulse in it, as the animism continues to grow larger and larger, it some because lined with coagula, this in procass of time is deposited in concentric lumines, of which the outer laining are the palest and finnest in continues in the outer laining are the palest and finnest in continues.

Syntims - In the first place it will be well to tuke into consideration the history of the patient us our guide, They will say their attention was attracted, by some uneusiness of the parts, which upon evanimation, if it be seated upon the neck, trunk or limbs, mil appear us a small turnous, filled with blood in the course of an artery, pulsating with it synchronous with the heart's actions, this turner, if there be no evagulum, will be increased by preduce on the distal and animished in the cardiac side, upon removing the presure the blood will return in the or three pulsations, with a peculiar vibratory thill or whizzing some



which is imparted to the fingers. The pain at first is sleight, but it gradually becomes more intense, as the tumour grows larger owing to the Jussure upon some of the nerves, there may be occassioned pressure upon some of the vines and lymphatics, comising actiona, discol cration and swelling.

Done times as the turnour increases in size, they emdugo some very important changes, the block engal. ates, un account of the fibrous pertine of the blivels depositing layer after layer, untill the cuvity is rendered so small that only a channel is left for the passage of the bloods, to other parts of the body, believe the aneurismal turners. The disease ending in this manne is said to be the usults of a spintaneous cure. Instead of tuking this course, the tumour continues to grow lunger and lunger, and in spile of the resistance of the adjucents parts, it's wats bocumes thinner and weater, these though the newberative powers of nature, are string themed by the adhesine of the parts around it, us the enlargement continues, these are absorbed and so are all the other tissues, that happen to lie he contact, bone, muscles, newes, tendens, legaments



are equally absorbed as well. The system were healthy begins unv to feel the lusting cliease as it is making its fearful much mound to dissolution. The pain, ordema and numbuess is increased, the stringthe begins to waste away, The sternach and digestine. begins to fail, there is betic, restlesmes, went of slup and smetimes there is delirine, The patient after being subjected to this long entimed initation without finding relief. elies at mee, from profuse humrhage, either the by the ancies bursting into a mucus sanab, as the tracher or resoftingus, or held a vein, or into a served cavely as the abdunce or intermin

Diagnosis - The diagnosis of anumerous in connection with other turnous, is one of the most infurtants, as me we the most infurtants, as much us the most difficult funds in surgery - The following however will enable us to make some distinction between abcesses, glundular sullings and solid turnous, by noticing fast, that anumisms from their ladiests formation are soft and compressible, and afterwards because hands - view verse. abcesses begin with inducation and



end in Loftening. 2th a tumme or other solice Swelling, that has received an impulse from lying our the track of an entery, will be fund when ruised or held to me Lide, in proportion to the distance of the entery, to pulsate very family, In unewisms the change of position which was very is assumed, affects its but little, I'm humisms am be nure or less & emplied of the contents, Solid tumus cannot either un its distals ir cardiae side, 4th Prous abcesses can be distinguished from ununisms, by the great pain, tendemess and weak ness in the back, and the disappearance of the tumour when the patients lays dums -Causes of brunisms - This is divided into the predisfusing and weiting causes. The predispos. ing cause is using to the morbid change of me or more, of the couts of the entery, as its has been show in the fire parts of this subjects, In may also defrends upon a want of true of the whole arterial system, this is known by a very hardness of the pulse, and a peculiar thrilling for of the pulses - The period of life most fourable for-



this mirbid change is between the ages of thirty and fifty burd occurs more frequently in men than in women, though the opinion of some authors, Day that it is occassimly seen in children. It may occur after a long continued weess of underefur ance, syphilis, chunic gout. Theunitism, and the The exciting causes. The most prominent of these on string emotions of the mind, sudden and violent muscular actions, such as lefting heavy wights, Junfring, coughing and vaniting - Local infuries such as the winding of un artery de -Treatment of humansus. The incheatins are, to stop is check the flow of bloods, through the ancerisme, and to produce coagulation of the Hoods within it. The meuns adopted one, internal remedies, that tends to reduce the firee of the heads actions, and energy of the circula time, and Ingical manipulation, by means of confussion and the ligation of the diseased Before deciding upon any of the operations, it were be



well enough to try to bring about evagulation of the block within the sac, in those cuses where no operations can be preformed, us it is the only means we have, that by who we can hope to leng theme one the patients existence. The patient should be confined to his bed, in a how span dier us possible; all bodily or mental evertion and fermented liquers throld be rigidily abstanned from, If of plething habits and the tumour morases rapidly, he should be Heed mee or twee, but it should never be curried to funitiess, for few of producing Jalul Lynewfre, Of internal remedies, much benefit is elevered from digatalis and tutar enetic in moderate doses, also from the acetali of Sead combined with ofnim. If all these fuil in unstring the progress of the disease, resource should then be had, either to by compression, or by the ligature, and first by Confussion, antil a recent period the treatment of anewisms by the ligative was the only successful treatment, but of late years, it has been ascertain ed that by pressure they could be treated as successful as by the ligature, provided the menium



is setuated in such a any that an equable and Steady pressure can be made upon the writing, but mither is it necessary that the pressure should be made too swelently is too severely refun the entry, but pust sufficient to arrest the flow of House! into the turner, her not entirely through the intery. De Knight Days the Het-manner of ma-King pressure is by the termiquet, and previouly to applying it, you should envelop the whole limb with thick sole leather, or paste board splint, weefeling a strip our the certing the object of this is to server tention and prover swilling, which the limb would otherwise be subjected, of this cumots be dene, pressure must be made by means of your thumbs, if either one of these two methods succeeds, the meurism will after a short time, be funds to have lest its pulsations, and to have beenne solide. This may vecur in the to sis days or it may require as many weeks, after which the tumen is gradually uberbed, and the limb may be brught into use again



I'm By the Siguture. In cuses in which the above plan is in applicable, or unavailing, the artery must be ted between the memisin and the heart. The operation should be preferred muther to mean the ancienson, so us to place the ligature in a partine of the viscel that is diseased one too for from et; hast the circulation through it be Kept up by me and of collateral hunches, lefter the ofundin the limb fulls two or three changere, but in a few burs. it rises higher than that of the opposed timb - In cure a ligation current to applied be tween the areunson and the heart; it has he been proposed to fee the vissels in the distal side, but it is a dangerous and mentain operation, and should be profunded only when the tumor menaces suprilly, and cannot be chiefeed by my their menus-





Thesis

Galo Modical School

Cataract.

939

Timothy 56. Bishop

January, 12. a.D. 1860.



Catarack.

This disease Consists in an opacity of the Cry Staline Lond, the Capsule or of the morgagnian Gluid Eicher Seperately or Confoined Work a Consequent dimenution

of dight Carcifics,

The forms of this desiase

are numerous lawing as to consentence,

Color and the hab of the affection, and

Complicated often work other diseases of the Eye.

The vice treat of them in Waking to Chew in Late for

Hu Lontailar, when the lend alone is affected, divided onto Che Hard, Soft, Radiated and Fluid. The Hard mow often affects the aged, Che opacity it of a grayish cohor north an amber Thade at the Center, the



more of this amber the harder the Catarack the both is hanger, gresses against the Vris, and to Rendering the antevior Surper Couley and empairing its motions the Cotor is nearly clear white, the light is mow enter afted than in the Gresson's Carriety. In Padialice Las cts obacity in Streaks from Circumper Enci to center, the light driking on these Treaks and being afterted troubles the Dision. In the Fluid the opacity is the Jame and as Chick at the Edes as at the center of a duce gray or yellowish Cotor.

Second,

In Captular including the Interior Vactorion and Complete in the gerib! The opacity may be seen besind Oh Fis, of a glistening, charky affuavana in the Costevair besieved the lens, of a and trated approvance as been through The Ciens, the Complete Landly is to be



distinguisha. In all these yours of the Caplular Early the opacity occurs any more in the membrane in steaks or Spots north ontervals of mow or less

Franspavency.

Franspavency.

Franklad.

Env Caplule Gentainlad.

1. 00 cir dire may the most common of an large in line may Gress against or distroy the anterior chamber, if the Gress against the Cornea the Gratient can hardly tow day from night. There is one other barrity Spoken of, Called Morgagnian Consciting of an opacity of The Gluid Contained on the Cafelule.

Causes.

In may be congenital, caused by Some arush of dwelopment, or the asult of imbained (nutrition, as in the aged: a gain Some enjury of the Eye Causing conflamation may asuch in Catavach, but any little is Really known of the Cause of Chis dis Ease.



Symptoms.

For an examination of an Eye Wish Suspected Catavack the pupil Thould be dilated Work bella-don na, Onen a bray of an opako, grey, ambu, bluish white or Clear while appearance may be seen bekind Cho pupil: it is usually slow in Grafuss laking years in Iome cases for its que development, yet it has been known & come on in a gen hourd. In the morth cases if encomplicated with disease of the Retira or optie norw the patient Can distanguish day from night, one EyE only may be affected or both.

Diagnosis.

Catavait must be distinguished from glaw coma and amanosis, in Some Cases this is quite difficult nithout buy Cauful observation: but they difficult nithout as I cotor, catavaet being of a gray while or blue white or yellowish brown amber: glau coma and amanosis both have the



chupil of a green or yellowish green: in Catavach the opacity seems near the pupil or fush behind it, in glancoma and amourosis the change seems at the bottom of the Eye to as to be lost is looked at didorago. The vision in Catavach is Cloudy and obscure, more dense at the Centes to chat objects may be seen at The Iside when not above in front and On patient les best in a due light, but in glancoma and amamosis a Throng light assists the Dight, dilatation does not, when the Eye is thut glashes an VEEN, change an discolored to the Sihb hob clouded. The onless of Catavact may not be obs Erbed by the Gatient altended by no trouble in the Eye or head, not do Wish glancoma and amanosis which are often Grecuded by Carcois disordered VEn Jakoris Chab Caw the attention of the patient to the diseased organ. Tuball Chese Degris May gail, there is one Fest



horrever wheel is un E. ing, Vir. Catophie The a healthy Eye if a lighted Candle is held opposité, the images may be seen, Fro wright and one cuberted, the Cornea Laving a Contry Geoleined Jurgan leflects an apright and I made image moring as The light is carried laterally, the anterior Junface of the Crystaline Find Reflects a Similar cinage but ranger being magnifice by On trens in Growt The posterior durface of the Crystaline Capsule Laving a Concave Junface the image liberted is interted, made Imaller moves in a direction Contrary to which the Candle is moved, This cmage is the Smallest, Chough Guifelly distances and quite bright it appears anterior to Chab for med by the anterior Cry Staline Capsule but Gost Erior to Che Cormal image. Non then these there incapes an seen in a healthy Eye link in our dis Eased by Catavach The brill saincy and distinctuess of



The inderted image begins to become Changed it is not thankly defined but Inaded of until befow the Catavack is maline this inbuted image is took, the duf Erech eneage is also indistance, in the advanced Stages almost oblitevated; in amaurosis The Chrew are as disterich as in the healthy State; in glancoma the interfed image, a distinctly furciptible in the Early Stages and is formed at the Edel after it can not be seen at the center; the dup Erech image is mon distanch of amy thing than in the healthy Eye. Thy au these differences and test. WE can hardly fail of making out a count deagnosis. Tréatment. Constitutional and local treatment Law been Employed to astow the health and from a astoration of the opake tons or its Caplulo to chi Wealthy and original



Condition, many Cemedies Law EEn Graised as fun Specifies, but workout any seccess. Bella donna may by Oularging the pupil for a time assist the eight, and if the Catavach be Imaco Gunish useful if not Grenfeel Vision; if there is Effersed bymph On usual treatment vice, if weent, cause cro absorption. Sun the Chan this the only means of alif is by operation. "Troposois Will be Garrable if the health is Good, if the distase is Confinice to the lend or capsulo, of un complication by di Ease of ateria or opter nervo or ivis, but unfavorable if Complicated rich amauvosis or glancoma, Contracted Jupil, Crain in head, Glashes of Lihb, a barrows State of blood bussels grufil adberent as in the aged. The question arisis, when Should the operation be Juston med?, the Tulo is, when the Catavach is mature, Chat is whow the patient has become blind: but Suffrose one EyE only is



dis Eased, Thould it be operated on? if by Removing the distance in one Eye it Ihave be fre bent Ed from affecting the other, then in would be bush to operate, in all Cases. Frew are Cases Reported in which one Eye was operated on and the distance did not affear in the other, and it heems as of one Eye might be affected by infathetically Iwa Chew it to much of Dympachy between Chem in a hearthy State, but as me do not Know this who the gack, it is bush to legrain Grow operating, if one EyE only is affected. The Cateins Should be Gorchand for operating by Juck Means as Shaw quard as muchas Gossive against the accession of an clamation The alimentary canal Thould be in a Wealthy State, if needed use a Cathartie, bleeding may be useful in Some Cases and a low dieb, and leb the patient's mind be in duch a State to expect a Gavorado Fermin atrois. There are three methods of operating



Shoken of by auchors, the obdesh (Jush described by Colous) is what is called depression or conching, Consisting in the Entroduction of Some instrument by which The lens is pushed back and down out of the axis of vision; the lecond is Extraction girl Stroken of by Canils a French Lung Eow; the other, Called the operation for causing absorption, is the favorite nist many, Conscituing in a cupture of the lens, and then leaving it to be Cemoved by absorption. These I Everal methods much be described Sepurately. Depression is the Gaverile Gractice of most American Surgeons, a lever operation indeed, but not mow to Chan many others cherformed on do Sensitive and delicate an organ. There are your mays of operating: WE will describe but one. The needle is the only instrument lequired. Have the patient below the Jurgeow and in Growt, having his head



Supported and the Upper lide Elevated and fixed by an assistant, the operator Can depress the lone Fix and Iteady it wish one hand and use the cultiument nort the other; the Eye having been dilated wish bella-douna the needle Thould be enterted in the outer dido of the Ichrotic Coak about one and a half I tim lenis from the Cornea a leithe above the middle to avoid the long Cellary artery, then Carries it Upraids and Gormands in Group of the lens, and then gressed Steadely back and down out of the axis of biscon! When Juy Ed in the posterior the needle may be nertedrawn by a Robation to dis En gage it from the lens! if the lens Thould Rise it much be again depressed of the Escapes in the antelior Chamber ich much be Removed by ly hackerie. Reclination differs from the form described, an the lens being the ned over in the



12.

chrocess. The Grocess by which the absorption of the lens es produced, is Similar to that fush describer. The lens is to be dissolved by the agreeous humour Chargon it much be facevaled nort its Capsule and Gushed wito the anterior Chamber; the needle is the cutroduced as before described! when the point has leached the lens the Thank Edge is the hurned to as to Cub and facevate the lens and capsule, at the Jane time Gressing Gormands the Invale Gragments cuto the anterior chamber, where they may be in time absorbed. The operation may need & be Repeated many times, as qual care mush be taken not to de too much at a time lest inflamation arise from too much or too hard matter being in the chamber. This method is termed Schrobiowyyis: Cohen the needle a cutoduced through the Cornea, as is best in some Cases, it is called



Keratony 4 is, The ohwation of ly traction by Section of the Cornea is Greferred by Jorne Veing quiter Chough Junkaks not as dage as the offer yorms of operating. Some queuliar entruments are needed, a Rnige triangular in form, thaight on back Planting on Cutting Eofe Cucreasing in breadth and Checkness from Spoint, Called 43E Erd knife, The other custruments of mice (not describe. There are there stops in this opication. To divide the Cornea, lacuate the Capsule and Remove the Kens, all one operation in gach. The Grefwall Spok for division of the Cornea is Cither on Superior or ly Fernal Isdo. The Anife Thould be Entered at the margin of the Cornea directed not obliguely lest the entrument pass into The tanewal of the Cornea and not Enter The anterior chamber, then across the anterior Chamber Glab to the cris; Chis much be dow quickly to avoid the



iris galling against the Briefe, or the agueous humow Running out; having Reached the nasal Isolo the Grefen used to liteady the Eye Should be Stopped and the knife brought out wish an apraid Jawing motion, then the Frids may be closed for a moment; of necessary the opening may be Enlarged by a knife or I crisons: The Capsulo is the Ruptured by means of The Curette entroduced Course up mands until the point is near the lens then tenso and facuate the Capsulo Greely workdrawing The instrument Convy down mands; the lens it now removed by steady and light for Essure on the expludid File ch resis and distends the iris. Jako Caw not to Emplano the inis as it will yill in Find to that any lens may chass workout aijung to ch. Thub the trids as The lens grasses out list the betreous humow may Jollon; & the cris is Gordafised Alzhh Gressen and



ly posure or light will cause it's leturo. Two ohwatein being gineshed the hids much be left closed for a time, then opened to Sw if the Cornea is gitted to as to unite properly. If any Goarb of the EyE Smotrudes Gressur ville aplace is. The after treatment Consists in Ruping the Cormal Glas in position, and Grevent too much cinflamation, do chat it will unite by achision. The hids Thould be closed and kiph to by a light bandage. Frew are Chose who Recommend the use of chlasters to keep the Eyelias Closed, but WE Chaik There is no need of this, as the ase of the bandage answers are purposes! Cold water may be but on the bandage of it is agreeable to the Geelings: if there is anguity do chas the pateint cannot lluß an oprate may be goin : if there is no cuflam matory trouble the EyE may be Cleaned by Fefrid Water, but Thould not be meddled Wirk, as no good can result Thom beining the EyE Early, and much



warm may, but at or about the gefth day, if the is little or no spain and the leds not Grollew, Che Lids may be Lained It Lev if all is going on favorably, and The vision legular! after this the Eye much be kept trie, opened our in awhile yor about the necks until it becomes Frong Enough to be as the light. Spectacles are needed on account of loss of lens. Two Gratient much be kept Regular and Canfully for some time yet list ingland makiow may arise from Even as elijhb Cause.







of the lines by priminia.

From empression it is distinguished with more difficulty, but in this disease there is not left to be any actions of the face or feet while in hydrotheral there is generally evidence of some effective in the cellula: tissue. Empression is usually preceded by inflammation which is not the case with dropse.

Tapping must be resorted to when the difficulty of respiration is such as

to threaten suffication.

Haydropericardium. A few ameis
of flied may be found in the perican
adium in a state of health - from the
h pix-but in this disease it may be
increased to as many quants.
In a man who died at Beliview has
- pital last may there was a collection
of about five pints of dark colored
flied and in consection with this there
was considerable dilatation of the right



side of the heart - probably the cause of the efficien. Chronic inflammation of the pericardium or disease of the heart or Torge large vissels are the causes of this effusion - As signs of this affection may be noticed a change in the shape of the chest, and by percussion and auscultation the extent of the effersion may generally by tennine There is me local treatment ex= -cept in seven cases when paracentesis is sometimes usorted to, though according to Dr. Word there are no cases on record in which this aperation has terminaled farrably - get it man relieve the suffer-= migs of the patient dan pradly-Abdominal Lisopsy Ascitis Effersion into the peritonal carrily is as frequent as any lom of the dis-: case for it always attends masarca when the effusion into the allular tissue is very aboundant.



The quantity of fluid is sometime quat and their gh it may be relieved by drawing of thether he an operation or helde administration of hydrogonics get it is seldom could! The plothology of This affection is the same as in other finds of draper-It is meassary to distinguish this from other discuss as well as preguency. Ism soled turners it may be imain by the pense of truch - from a collection of an me the intestines to procession, for m this case there will be resonance over the whole termer, while in drufese if the patient is in his lack there will be usmance only at the replie hast of the transcr is epiquation - while the rides of the abdomin will flatten ir sulge but and the gravitation of the flied to these parts will produce dulness ufin percuesion - The cause of the Userance at the upper past of the abdomen



is that the intestions float in the fluid on account of the air contained in them and this brings them against the wills of the abdonus - In this way oranian dropsy may be distinguished from asciles. the fluid in ovarian dropen being con= -tained in a sack in eyet, which as it in darges uses up in front of the intestines and its position is not changed by the change of postine of the patient, but then will be dulness at the spigastrium, when in ascites there would be resonance. and if the oranian turner is of sufficient my it may pass the intestines down at the pides so as to produce reserrance, in that regim. From pregnancy it may be Knowby the sum signs, as well as the absence of the usual significans withis disease - Crarian dropsy was hecessa: sily alluded to in discribing ascilis, but it will require a few words further - It can= - sists of an enlarged overy containing fluid.



It does not require the same state of the constitution as other forms of deof so de and its first evil effects ansis from the pressure of the enlarged ovary refin other organs-It is not apt to be immediately fatal as the constitution is not so much affected. The fluid may be drawn off by paracen -tisis or the organ may be pembored by an operation - The plan of meatment app= - heable to all forms of chopsy is that & which lands to promate the absorption of the fluid and the removal of it from the system and also to prevent the renewal of the effersion - The first indication may be attempted by the continued use of mercury and some preparation of room. In connection with this the second indica-- tim may be accomplished by the new of hydrogogues catharties and dimetics! Hozarvyogues should be used with caution In the constitution will not generally bear the continued use of them.



If the constitution will bear general bluding it may be employed, for it will sometimes of itself sometimes care the disease, la por-= moting absorption. Local bleeding by cupfing will be useful when the chief alme is affected or when symptoms of one-- pussion of the brain appear such as ptuhm The funnes of drenks should be regulated and only enough to relieve the thirst should be allowed. as the free use of fluids laken who the stomach tends to reduce the quality of the blood and produces anemia. When the constitution is debilitated a good mutritions dried should be allowed and times may be given. In the operation of tapping can should

In the operation of tapping can show betaken that propper bandayes are produced as the withdrawal of such quanties of fluid may produce funitness.



be noticed - In pewer cases of amazarea there will be some effection into the serves contins -

There is aft to be great emaciation which is noticed in those parts when the there is no effection, as also when the fluid suddenly disappears.

One of the causes of death in anasara is an accumulation of finid about the sin passages producing strangulation.

It is said that nature sandines
comes this disease by discharging the
fluid through the the skin, and in
the matment it has been thought will
be follow this indication, by blisting
the exhunities and allowing the blind
to escape in this manner, or by introducing a seaton; or puncturing the elem
with a fine instrument.

All of thise means excipt that of fine turing are open to me serious objection, that the ulceration is aft to be dangerouse



Simeturing should be performed andthe can as it is attended at times with dan-- ger, Thopse of the scrotime is some-- times treated of as a distinct disease but I would include it mider the head of anasanca as it requires no different treatment. Punchning is the appropriate way of relieving overthistration, and may be parformed as in acdema of the extrem-- ities Hoydrocale will not be con-- sidered in this connection as it may better be classed with those diseases of the joints which are characterized by a collection of fluid on the articulus cavities or in the neighborhood of tundons, brasa mucosa

Haydrocephalus or drops i of the mintrans of the brain.

This effusion may occur either in the vinitricles or believen the membranes of the bain. This variety thency 2 nd



very saw occurrence deserves a short motice in account of its secretion and fatality. It is a disease which usually drives forests at trinth, though it similarly comes on at a later period.

There are a few instances in record of patients in in a to advanced age.

Dr. Watson relates the case of Dean Swift in whom the disease did not appear mitil oldage and for the last three mass of his life he was much to speak. He hind to the age of sevents in the

asually appears ossification is incomplete so that this collection may take place without producing danguins our pression of the bain. The head becames en= 's larged while the face is not aft to be changed and this removes the definite more noticable,



After the fortances become assified. symplims of compassion appear the result of which is the lass of the power of speech, of hearing, of sight or of voluntary mation. Paralisis some-- lines occurs. The digistive function is always diranged, the briefs being castives that is after symptoms of com-- pues un comi m The quantity of fluid varies quatty formed after death The brain is sometimes heardened, pometimes softind and when the effersion is in the ventriche the shape of the brain is gone and it will be found flattened If the effusion is between the I ma mater and arachnoid membranes, the form of the bain will be pusured. The tendency of this disease is to wards a fatal lumination, though in some instances treatment has mudubledly



acted favorably. The local recutment recommended is compression by mens of adhesive straps and princher or lapper - ing - The last means should not be ne-

The constitutional heatment will be referred to after the several raineties are described.

Roydrothoray. A serous effection between the pleural purposes is a very commen recurrence, generally the usualt of intlammation though a propper droper of the chest is not uncommen as quite often after death there is find mine in les of this votry collection which could not beaccounted for by any symptoms of in lammating before death. In these cases to the disease advances respiration becames difficult the patient being unable to be down and must umain in the sitting posture continually during the advanced stages of the disease.



In most cases mulip both sides an affected with the disease there will be considerable difference in form, the diseased side shore runded and expanded and by musi-- ming it will be found sinsibly inlarged. There will always be dulness in purusain on the affected side as high whas the fluid Extends - as the lung will be callapsed and all the air exclinded by the mechanical pressure of the fluid and because the muscles of the chest cannot affect the lung as when there is no flerid within the plensa- Electration is similaringfelt and when the body is shaken the found of the fluid may be distinguished but these on san signs - By auscultation the natural puncles of respiration will not be heard but instead, a variety of atomal sunds varying according to the extent of the disease - and prith every change of prosten - 13y this last sign it may be distinguished from consideration







Grofesy. By this terms it is intended le expuse all abnormal collections of fluid in the cellular tissue or series cavilies eyeift those which are the usualt of inglammation; which may be known by the presence of congulable lymph or that the offusion took place during an attack of inflammation -In a State of nealth there is acrope some fluid in these parts and it is only when this is increased in quantity that it can be called a drapsy During health there is a consert of action between the secretion and the absorption of these parts which regulates the quantity of bluid, and a derangements of either of these functions may pre-- duce the disease in question. An increase of the secretion the ab-- softin remaining the same, or a diminution of absorption while the recretion



continues must result in a collection of this fluid Sathology of dopsy Tropsy depends upon a state of cle-- bitity in which either the tissues are relayed or the blood improvershed and is of a mating character, or both these conditions may concer to produce the result - A state of plethna with the blood healthy would lind to an suffammatory effusion, while and improverished state of the blood to--gether with relayation of the tissues which necessarily follows this condition of the blood, tends to a min-inflamma-Long effusion The causes of droper are those which produce the pathological conditions just noticed together with any obstruction to the circulation on the vers, especially those of the portal pertine If the first mentioned, courses which produce



dibility, relaxation and on importable state of the blood, an expressive to cold and moisture sudden atmispheric changes, minure air, unwholesone ford, impand digistion, quat loss of bloody excessive intestinal secretion Obstruction to the return of blad are, organic disease of the live, or any timer near the large vinous trunks An enlarged liver may press upon the ascending vena cava was to pro-- duce congestion in its branches thurty favoring an expresion into the cellular tissie of the parts supplied by this large bein and its ramifications as well as the abdominal or puritineal cavity- Organic changes of the live may interfere with the caphillan cir-= culation of this 242 kin within the organ itself, as in the disease called the mut = meg liver, the characteristic appearance of which defrends upon conquetion produced



by degeneration and impermeability of the tissue. In the disease called hat - movil liver the organ is so hard as to prevent all circulation through it, and always, abdominal and drop su and often effusion into the cellular tissue. Enlargement of the liver may interfere with respiration or as to prevent that ; unction in a measure and there hi change the quality of the blood. Insease of the heart also produces drops especially dilatation of the right wintide which causes retardation of the blood in the venus and also principles propper acriation in the lunge leaving the blood impure -Scarlet fever and measmata are semetimes the causes of dropsy in accom--mt of the state of constitution which they induce. Enlargement of the spleen in miasmatic fiver any recompany the Espesion because both andependent no fun



upon a disordered state of the blood -Of the different varieties of dupin I shall describe six Anasarca or dropsy of the cellular tissue. Heydropericardina. " heart. Ascites " abdomin. Oranian dropsy. Anasarca when of aboat Charac-= ter is called aedima-At the approach of this disease or rather symptom of disease a swelling of the feet will be noticed, which will hit under pessure and when the tody is in a horisintal position it will disapier from the lover extremity and become diffused over the whole body The effersion does not necessarily take place in the feet first, but is usually first noticed then on recount of gravitation, for in the morning the swelling will hardly



Scarlitina; John, Am. Barker. deartet-fever is a disease of the same brokes as that dreadful seowige of the human, race Thall pot, whose yearful, ravages, have from times to time olmost depopulate large tracts of Country. The hame which Culter gives to this interesting yours is Ejanthetmala, asterm derwed from ones of the most constant concomitants or symp toma with which these iliseases wie uttended when well marked and jully developed, big. a rash or inflorescence; but this is by no wans the only ties That holds, them in the same, Orders. More of them, I think, we better described in his general definition than is Tearlititia, it is us follows, Morbiscontagis osi, semel tantim in deenes, vitae, aliquem afficientes; com febri incipientes definito tempore, apparent phlogoses saepe,

Intron Laur lie defining bearle != rever briefly; Fix in contagion so, rebrice, charases, attended welmost wenny & oluring u par igita course, by an Easth's know by als Jose throat. Distory . For in wein lone, time it has conju welled with leaster, a bligh was no known i we histinguished is in histino? di sen se, is best was only made in barriety of Suberia, with rosning aspended to indicate The with rence between the rash attending it ind common theaster. But in the years 1748 De. Fithergill commenced the true lines of distinction by describing the most soils out soems of Ventilina, as a historic bolisease Inder the home of Angina, Maligna, after nim It. Hithoring carried on hand fully theei find the Characteristic slifterinces between, Enterta, and Fearliting. At the busent times Ibelieve there we seem if any who doub's its contagions, character, it thati' is aministly so; perhaps not outagion, is more votive or more widely differed in its expectes, low which eccasion it may be, likes

as disease of children, the retults who have escaped it alwing the period of childhood; i ecasionally become its subjects, - cases we recorded as late us the thirtieth or ever; the fortieth year of life. Abelieve it is more apt to prevail showing the fall and early winter months and then often as in epidemie, out it may and. does occur a hany and oll seasons, but in other than those hamed Ithink, it ids wonally more sporadie instasappearai for the sake of convenience, it has been tours ered by wilers as presenting three parieties big. Schreiting- simpley, J. anginosa, and, I haligna. The difference is only indegre as for example, five and sigares humbers, both of them, not the same however, Jela both of them belong to the same unmoriede, system and differ only in degree, add, to one or subtract from the other, and, you have the same; so it is in the ever settled by the well synthenticaled for to

. eroma thor of the other sorms of the lisease is for your pie the Kalignan's form may betaken , from the Anginose and suther from the simple and inidest. The distinctions, in pries, if we wish to . In he them, for they gradually unito and we fort in each other, we as Lottows; This called Learlitina sim, sey when the reach and other symptoms we presentilithe little on no Throw buffee. trong inginosa, when the rash and . Lore throat will outh present, while it it Larlitina, Mahigna, when the severity and danger of the disease, have their sea I'm the Throat Of this towne by hatsons says; The spithe haligna marks truly the harful character of this form of the Malady. Is a mentioned it is not long sinces it began tobe distinguished from Measies; the differences howevers it seems to he were well marked and easily necognized when once fixed in the mind, the principal of which

In Measles there handly well marked catar that synthoms, as " cong h, suleting, running from the hose better Instear litine there maybe some definctions from the eyes and hose, but it usual comes on later, in the disease, has as rather specific character, and does not appear till after the exaction. In severes cures, there we swellings, if the polands under the face and about the throat what ober expected in hear sless and often recoration of the thowar no befreeted in the tast mentioned In Anberla, the rash is more elevated is of an olweker, colors, approaching that of the raspherry, while that is dearlitina, my her compared to the shell of a hoiler bob. stor though purha is her quites as aright in hui. The papulae, are more intepi hygregated in coresecution the ter clusters leaving ha tehes of healthy whim betweens. In Learlitine, the rash begins son the

minutes wed south, which in come jude in in inor humorous till the hiholis indly in Covered with the shiftnessed, hash. when octoria said to be deeper at the · bledure of the points, the grown the profitation to he heasies public hablack for the reach till this your thoriginth clay in searce I fever un the reconde; Indear witing the emption, in the body withines of foran little brown the bon the eftremiher, in the latter, i's is though into in a little more wines That in masic s, is more stevated more thatted, und papular. In some cases Indamina, have been hotied studding over the mon surface. The disease com me nees much as the other Efan themalas begin, it tens with in thigh to chill rapidly increasing weakness, languous of body and friend pandies general beeling malaises with disinclination to Effort of any kind; oftensthere is severe headaches, sometimes

sionelly There is diarrhoea from the onl set. Ifter reaction has well commenced usually some for ty, or, fifty howis after the first symptoms have shown themsel the emption begins to appear; bullen says on the fourth day and some the third, but the seas is hours of the seconds probably is correct in the larger number of eases. The cruption is usually on the increases for three or four days, from which time it begins to rade and by the seventh has disappeared, at this time, the process of designamation begins, the enticle from the face gails offina kind of twofwaceous sewy, while from the aftremeticas i Vittens comes of in patches, While from the hands and feels am intire gloves or slippers is often stripped, in fine specimen of natural glove is preserved in the Kuseum. In the haly hand form the rash is often late, im. sorfeel and sometimes the surface is lived with here and there purples

wirld, congested, constitions and oftim indi catally ina sind hours. In the carly stage of this disease There is an appearance of the tongue acmosts pathognomorie; it cal coursed by the red and cefaggerated papittac which protrude from the origested membranes, this is called the . Atran birry conque. There is often, a! this time, un thin, or cambibe for on the storque, ichich hanally soon cleares off butin enses that do ho by our favorably, i boften dries up us in some instances of Con timed fever. hule sit be the simples ba enety and in a mild form, the patient carely complains of the heck and throat; the glands in swelled und on inspecting the banecs and throat, unraturally and without and sometimes stoughing spots we seen the socied shatter from the hroat amunnicales disease to the hose and mucous /nembeane of the aldel to the discompart and danger of

This Andra formed disease may prove fatal; to its violinias, only a part of h hich I can have space to wentian in ameray like this. tors the disease may whilly roubthe powers; of life in the siercene to the ouseh, the min bous system, seems to be workowered, their id no up haven refor tothe system abrication and the partient dies in a colia see pro in pore of the hile y curating a sportation of this is sometimes called the ingestine, orne; of the obscase. It other times the sation meenmosto the in tensity of the reaction più. dies abreatly of the jever. The batter sind tie from a tensive stoughing or in consigni of aracepes formed in and in bout the there He may be worn out by the sheare, having haped through, all its stages, the reen. berative curry of the system may be want to bring the mitent back, to realth. The signer of Searlitures wer almosts alithe illes that the human body is heir to, I shall grily attern at the mention of a sew. Dormanent bad shealth will in e cases follow, the strond seem &

rin 25 to have been eliminated from the histern und it is laid them, as it were, to glandular swellings mild the various : having formen of Jonefula, Gropsical ighusions often recent, coming on usually a how I tire weeks from the commencements If the shi sease, Chronic stropsy town times we suite prosoning catal sinthe harmais homer of that graves disease. he subject is the colinteres in intime does not allow of a more intended picas and proceed a tronces to look at the recognized modes of. There has been queat stiver sityin the methodis if theating this shieades, at invilla theres where the efeiting anse is so little, interstood. But there siems ruly one safe sian to follow, in Leta tomes, 2, sacifies, or prophyrache he lound, i hich is shall supply to all cases and coccumstances; that plan it securate by itseld, unswering its own particulars

the mild case 2 to the simple form of the insenses seemstoned little else than confinement at home and careque watcher ind tursing; inthithese circo & queateare, inght to be taken against he celand dump The ba, for there seem and I much clarger this in in tunales sequelaces in this as in the more scorre forma. When medical attention is nice hary, the question, shall as cathartie beginen or; birod seitaken : it seem 2 to me would naturally arise; sou we should referall such suestions toour majin, org. ollas on the which hours. In the wells indo hendent of the specific disinse, seem to need a catherties wer would give saluite oris, but avoid his keining his ontentity in nece vary purging. If the fever be exectives after the deaction has down on land in . some cases i lought to ice tought by wild influsible or interial strainlants, in hear und judgemen b wel righted tok wow how for to go with them and when to stop

but here again there is danger of hea keing The protien I too innoh . In the Anginoses formanden seed the de door the twolien dands wice sometimes queatly relieves the Tension about the neck and acoon coheads, con y this tension The free sieturn of twoils is brevented joes applied to the need is of ten bery quateful, as will as a sofue to the patient. Indan imities may be reliminstored with benege on occasion. In it seems to me that the rability hushing who rideries diseases induscriminately with bonn &, Thrage and Jances is tobe depricated and avoided; is the indications we for Themsterns use, if hat pe theories for the ratures sa se. The sation I is under the influence of an specific soirus which has becu necelired, into the system probably by Inhalation; his vison sets in paints action, le suscai Co il réarlitina, fermentation in we sicases. For this must have its course, incubation, development and and

from and aiding it in throwing off the stister influence of the shiseases; to mard the penetralia and tripod of life from its me les hand; watch, quide and a histoeprej The whole, Drink made of htro- huriatie acia, diented so as to be grateful to the patients, is is advantage, as a fe beinge and alterative, a iso the Ohlorate of sotach (a drachen to the sint of water is recommended by Matson for the same sur poses. The brepirations of Chlorine see in to come the nearest to a specific in this disease, their effects Thave though I might have explanation in two ways; the disinfeeting rower, Chiarine seems to pope, and to ru alterative expiron the secreting ryons Labarraques hyposhlorites of Locka, solution isone of the best forms for the internal, use of Ohlorine; it may be used as follows; Labouragues Loin Zj. ainsle Lymp Fin lothing after reaction, give one or two teas poonfoles relieved bounders till the throated delieved bowders may be used as, circumstance

Disrophilaction power has teen claimed for Beliadorma and, again de mied pacto verteamed by both sides and abidence for and against ite halve, My wer isinion is that facts we wanting , vive shat it fund proy such sowers juste than other tough of the same, class, Jopes have been enterlained that the Muriated Jinoture of roun "might have some jower in souting the isease. The results of experiments would atteast go to show, that those childrens in to take I'm I mail dose & sturing of power if not entirely protected have it in a milder form, than others, wround them who now 100 hours so gene of these eigher. imento have been made under inyour reservation, bet think further results are wanted to decide anything of this patien à 2 positive. Le sloise given insteen one priming /m.) for each year of the milds age given two

is three times aday. it lates the same has been lise with plattering resulta, iluxing the shound of finentin dose to from sive to eixteen 11-XV/701 ly the realtment weeks theak no further it seems to me, hule, and mention the application of the htratesof Livery in case and severe, succration of the hroat meneraledsif Laithtally he sed in connection with good Invising and Goods bie bing, will think, save most of the little sufferers ufceted with this disease.



Specialities in Medicine.

Sience by large discoveries of facts, and means for be discogniss, which greatly is by no means to be discogneded on condition and. Particularly have the series of sciences collateral to medicine for profited by his mechanical systems. This unknowledged buth, and its analogues illustrations in the varied departments of untreed for have of later years usualingly influenced the downain of practical medicine. In the world of ages his medical world has



similar to that of remote autigniti.

The human body was placed in the care of a distinct medical custodian, and not infrequently when the unhappy patient died, the doctor still triumphed; "Itill proved his reasoning best, and his belief, Though propped on famous wild as madmens dream, Most vational,"

because, sooth to say, the organ over which he was the presiding genies, had escaped destruction before death.

Case where a modern specialist glarific and is glorified, because his probang did not transfir the trached parieties as was sagely believed by the patient (who died however), and two savanes, of the medical sort, who attended him in extremis. On the contrary, to the utter discomfiture of auti-probangdom,



not only did the townphant probang not cause death, but the largue and trachea were wholly free from disease! Truly, this morten cock who came so near being sucrificed to biculapine by the nestor of American Surgery and his Colleague, may regrowth con over the first-morten developments. Human layanes and trachers will bear a deal of institutions when wholly healthy, and why not allow anxious patients the hurury, if they can afford it? The post-pharyngial abself with a postmortem hole in it, the emphysema, et alii, are not within the tracked swalfing doman - why call upon the king of medical specialists to invade the leritory of his neighbors? Midsence is spotted and arrived, dwarfed and panper sed, by steeralising. Comprehensive, profound, evact, enlarged and true views of general practice



are too much last sight of on the petty technicalities, the mountebank mainfulations, the legerdemain tacties, the microscopie littlenepes of thrownen, skur men, womb men, eye and a men, and so forth. Every square inch of the home body, from head to hears, is dotted over with medical homuleuli; wedded in heart and soul to their particular square met, and knowing nothing, caring nothing for the man as a whole.

And this is but the direct winds
of pandeing to a groß propular error,
which judges of practical medicine as
it does of practical prin-making-nuch
to be facilitated by division of the
processess. And yet, is there is any
one truth established by all medical
experience and all medical philosophy,
these truths are established beinned
reaso: able cavil.



There is no man who knows so little of the correct treatment of the human eye as the professed occulish. There is, in like manner, no man so deplorably ignorant of the human ear, as the "aurist". There is no man 20 dangerous to the integrity of the summen windjufe and its affinitionance as the throat man: There is no man so prolific in mischief to the fairer portions of the race as see who displays, as the peculiar budges of his muistry, the speculum, the porte caustigue, the sound, and the multiform pessary. And the catalogue might been-

And the catalogue might be extended indefinitely. A large proportion of this uniniste kable macking has given up insidicusty within the sheepfold of the profession. The magnatishave eaten of it to their own rejoicing of pocket, and the tender lambs of



Atte flock withe assistentially at the promising grain, being fully persuaded that they shall thereby be inabled to way fat and, in their turn, kick lustily at all "irregulars"—outside the frale delicianum vitianum.

Whatever excuse might have formerly been afforded for an attempt addivion of labor in the practice of medicine, however attractive seems the opportunity, the great light, which has of late years been thrown whom the intimate relation existing beliveen the most remote parts of the human body, 21000 retterly dispels the illusion. No man who understands the full import of comparatively recent discoveres can now fail to see that an attempt to separate treatment of any single part of the body from a complete knowledge of the method of treating the whole, however diseased,



is like a man's attempting to light a single burner, when the whole supply hipe is shut off at the preter. It may burn a sittle, a time flicting ray or two, enough to show how dark the surroundings are, but speedily it is gone - precisely as the traveling specialists do, burning out the supply in their little pipes, and then places which have known them know them more forever.

This to be fined that nuch of this operation has grown out of their indilence. Acquaintance with what inquires in special departments of medical science have brought to light is incorporatively necessary to the conscientions medical practitioner, and it is quite a relief to have some proprieses of smooth things say that it is better to desorte attention to what observes in one defacturent only bring forward. But



he only is a reliable practitioner who has drawn from every well at whose bottome Truth is - who has thoroughly grounded himself in the love of experience, and the wisdom of research in all seince.

This sdea is not movel - it is as old as Brown. In particular scurces we see, that if men fall to subdivide their enters, as to be an oculist in physic, or to be perfect in some one title of the law or the like, they may prove ready and subtile, but not deep or inficient, no, not in that subject which they do particularly attend, because of that consent which it hath with the rest? . - - I mean not that use which one science bath of another for ornament or help in practice, but, I mean it directly of that use by way of supply of light and information, which the franticulars and institutes



of one seience do yield and prese for the framing or correcting of the asimus of another service in their very truth and notion: Riciper now to the flood of light which is being thrown upon the connection of remote parts of the human body, by the ingerious application of the newly-discovered laws of nervous action, to the elucidation of preriousle occult phenomena. The physiology of metastasis, now as clearly discoverable as the physiology of digestion. The epilepsis supplanting the disease which long baffled the Elin man? The phthisis, which rewarded the efforts of the osuleri man; and or forth, and so on, to the end of the categories. One blood percolates all cappilariesone nervous system is webbed in and over every organ, every tissue. Take away every thing else, and the nervous



fibers and vesiele with these all-perrading elements, comes the specialist, and rejoices, like Marins at Cartige alone amid ruins that he can get play manifold times upon his keylep, valvelef trumpet.

- 11. 3 it is stil- us and southerd over the lumber, there careties is required not to wound the sher--malic willy and dut-This is most grequent in some ales. The intension lakes proce through the current opening of The triphon the isside of the remoral ressels and merke, and, Les calle porposels liquinals attion is xormed! by the folding or Mi tendore of the external My le musile bacomany living what is carred the a west speck northe paisings of The restins and they well tille now these is inguinal Morria in 1860 1860 but in applying apis to this form of Milliantie it should to



borne in minul that the tumour is tent upon its seif by veing epecked from decending Thy the meath of the ressels, which is nothing when then a contin - nation of the sascia ransalrsalis. The position of the patient is the same as for reduction of inquireal Mania. -ericht the limb of the refricted side should be flesed at the dipiont and carried acrops the wint or the opposite side in order to relay The Jakiform Jascia or ligament of the cruial note, Where whose the himour is to be presed down and und tien piperards to be returned. Temorai Dernia is more often shanquialed than Inquinal and more difficult to be reduced in taxis consequently more frequently ergining the



operation. This is preformed by making a D, staped incision, the konisontal incision along Vin Tower corder of Planson s Digament then carry !!! donmards at many vie ilengle with at agrofs the windy of line tumour stron divide the raseia as before directed in the organis. corne. Here scricture may lake istace at three points in the = oril, Herria at the countil and ut D'imbernants injament, or, in the neck of the sail. The invision. you deriding the streetime are To be made in the same manner ducted in the Inquiral 4-com. But should not be carried any. farther than just to relieve the stricture, for if the patienter artery arrises as it does some times, ing a common trunk with the



- 120 astrie arter it would be likely to be wounded. Montelical Donia. This form is most common to infants though wermen thathave born many 6 rildren are prequently subject to a protrusion in this region, but it is very soldon that trough true instill ical Fernia occurs ut udult-ace. Oris may se congital but usually Journes . From care paymels, on the part of the attendence of the Child, from not property supporting the abdomen. There drying the bowels burst through the unumited parts and provide. Court this may be easily cured, The Tumour being small and by a proper upplied compres and ships of adhesive plaster to relain il a permanent cure



is appointed. But in lie wellil-is not so tusting minninged for the tumour sime lines aftering an enormous six in spile of the lest exicols of the Dugeon 10 prevent it generally line treatment is out paled live. Oftrangulation is not so encounters in after forms of Monia but if it does Loceur it may be treated in the ordinary wait, by laxis and they operation the insistion it will la muelle in the dineaula if allessions de mot princel il-Coltrer zarie lies of Minnia. These have virious names uccer. din lo Merre anatornical relation of franks concerned. Linkeril Merrica is that your which land place ut the front or side of the abdonienal parietes energht the navit und injuinal regeores



Ared Fermine white live board decends between the Hadder and sidere and presints a turnour in The perimetern. by inal in live Finale when it holges into the egine. Diepriragionilie jutien protructions Strong h the disphracher. Deschribte when in the Isolatic notice. Und at turatorial with the coline ut the forumen orall and so ber as many more as there are difficult wiles on the subject of Maria. But rary fortunally you the Durgeon these rarielies are not my common, for they wer very My icult- to diagnosis. But itis not recession to speak any yarther, I am only to themen you jou nour policines, and, his que la inuise me gor so long recupying your time. In M. Alling.



The Knife used should notl'é rery shar, i par il-is casse l'é sopratie the leave but eausing The stricture of will if the Brise is duic it would not be so uplto injure the esastic coals in The ressels if it should beane in contact with them. Sometimes it may be necessary to summer a postition of omention. This may be glove by just stry a lighties Through il above they point of stricture and, securing it, there limoving the inflamed portion When the protructed parts man the returned if the intestine has not lost-ils smooth and shin. ing appearence, and if it shows no signs of gangreen it should be returned at once. But if il- be gangreenous it should not the returned. But it may



be spence at once and allowed to discharge the feculant maller and galses if there is much dis. lention, or, if not no active tradiment med be adopted und the patient be left to recover with an artificial annes, in either case of recovery takes places The batient should be kept on Vice back and the woundasking and approximated by sutters, Ite depending angle of the wound left open for series exudation, Avoiding all prepure that will Le ciable to create inflamation. Ehrs is of Live kinds, Offique and Direct. On the oblique form the intestine escapies into The spermatic canal at the



inter texal Notominal ring which is situated about midriay be tween The spine of the ospubis, und The anterior superor spine of the wissen and lang an inche a l'or e Bourparts Régliement. This canal is about one and a half me hes in length leminaling in the external abolominal sing, Vis is corned by a separation of the tendon of the external Totaque musele our the spermatic canal forming what is balked the two pelicars of the sine In internal is inserted into the spine of the pubis will from The under portion is sent of a slip of lendon which is inserted into the pectineal line this is called Tymbernards Digament. Al- this opening there is a firm Jaseia strectich aerofs this ring



which forms one of the minings of Paguinion Harria, this is called the intercolumnar yas in. As the Ressien sie Gases the civily of the abdones it iones It the point where the berne. -atic and escapes through the protomat abdominat ring ind meds the vasia ranis crisile's which it passies before it there Soon needs with the exercater mandele capitaling a conscious, promi that wise pursular on to the enterna ring where it then protrudes with the interecture nur cassia in the form of a lumor. "it is the most biguent form or Levia in the male, it may portule to any extent beaching from the your to the pery much in sight parying



Oblique, Inquinal, Mernice. Olicay be conquictate, this takes blace where the internal aperture of the inquinal camality not and where the Divile in line act of crying brings down the bowel through the opening of the peritoneum. But this differs from the becading form only in its coverings there being no true Munial sac Kut it is contained in the tunica, ragina. lis in contact with the testicke. Direct Unquinal Hornia There the bourd breaks through Strengeldominal ring and prot rudes, the internalizing having no commetion will this sound Majuinal Henia, Krix Thuy present any of the palological condolitions that have been des_



-cribed and the bealment with ise ranical according the lo suit the digerent-conditions. And iviegre lassice. Her obsertione much be resorted to. This conscists in maling a straight incision through the integuments liver. dividing the suscial as infore die -coled till the sai is main col. Thrichure man exist at three places in dry wind Herria. - St- the Enternal apailure, or in lernat, or, in this with of The sac itszeif, or, it all there of these points. Un dividing Whe stricture the incision should le made up, wards and paraclé il with the iges! of the wode, so as to aroid the Estinastric dirler. The position of the spermatic anoil should be assertained so that it may be avoided for soine.



spasm and extensive ashesions. " The timent the same as don the irreducible form of Hernia. This regulated Herria. This is the most dangerous form that we are called upon to beat and it is important that it she -suld be understood. By Disanguka tion is ment such a state of the turner as to cause the death of the part-imolard by inflamation, & mortification, if relief is not soon afforded. The circulation leing Gentirely suspended and the int -estinal canal becomes impersions at this point, if the Tournial sac contain intestine. Causes that may induce strangulation have tiden already named and Intel not enumerate them. Butonly remark that a recent Hernia is more tiable la strangululion



Shan one of long standing for in the old Memia the opening is large and the parts do nottake on inflamation so readily as where there has been lacceration of parts. Gimptowns. Are pain in the intestinal canal about the region of the umbilious Simulating those of Colie, masca and comiting, pulse at the outselquick and hind, with purposels of the skin all of these symptoms may is present refore the turner leiemes lender. But if the str--anyutation is not relieved ally the significous will increase in severily, the pulse becomes Pradike with profuse persperding the tumor becoming tender and the linderness extends more or less over the abdomen. The parts recomes of a livid hue und then



The patient begins to be easer from pain. This we must required as almost a fatal symptome, thou gh the patient may doorer from this state with him in lifecial anus, Hought if the sac contain sinply onem turn the symptoms will it is said, be less serere and the termination more favorable. Creatment eary's according to the nature of the case, if the tumor has become tender when The Jurgeon is called to the palient very little good may be hoped for by any means that are named in the Book's but the operation. Though an effort may be made the operation should not be long delayed for as some writers have remarked that the delay, of the operation has more often produced. a fatal determination than the



operation itsself. Thereix one Is hould think that the operation should be advised early so that if other means fail it may not be delayed. But if the Hurgeon is called to the patient is season other, and milder mans may be imployed, by manipulation which is called Mayis. Thit is to grasp the umor with the fingers and endearor to comply the sac of its contents by pressure, and then return the protruded bowel. But in the first place we should find His exact point at which the purt escaped so as to make pres -un in the right direction, and their place the putient in such a posture as to relay the mucles concerned in producing strangula Stone, Turious other preans have been imployed for this purpose



as anyillaries. Venesection, Warm, Bath, Antimony, Tobacco, enem ata Opium, Pargatives. Gold to the tumor de But synce the discovery of the Anisthelie agents These means have but hut a little employed for they produ Le a more perfect relagation Shan any other means that have been devised. Then if we do not suceed by prepure and some other means that may be at handlo produce the desired relaxation, we should place the patient under the influence of the arrestheties at once and their proceed with our layes, if then we fail the cuting operation is the last resort. Operation for Itrangulated Pernia. The parlicular manner of making The incisions, will be spoken of in counselien with the different parieties



to be described. The integument harring been limed back the adipose sulstance and lugars of Jascia are to be pietrol up one for the other and divided by a thorison lat stake of the knige, The gingers are the l'estinstrumends for raising up these fascia when they can be used: Witer the would director should be introdued and the incision interped le a suivieunt extent to readh the point of strie Aure. This is to be directed by passing the director under the Stricturing point; und there care a blund to printed bistoney alores The grove of the director untill their outting edge comes in conlast with the shickuring parts, Then by separating the handle. of the phile from the director



contain intestine, but when the tumar is intirety omentum it is of an irregular shape and dong by gettings to the cinquis the presure in the commination of the neck of the Tumor we can usually fiel very distination the internal abelomenue sing through which it passes. Manyul allention to the account passing symploms will in most cases Lendble us to arrive at a correct desision of the true cause of the difficulty. But there are other affections which may be mistaken for Hornia. Toy brocke, may simuliate the inquinal form of Marien, but imag be yerreruly distinguestred If ils Prins pareney while Hernia is almost always lipuyed.



Anchocelé is a constant lumos while Bernice will disupper on pressure and thydreste is mare caseille beret at the nick them I mia. Will unforguestly henced My borie and Messia occiest. My tracke of the afternation execution. But the absence of an the tordinary signs of Cennic agriful- 1/10 pres -ince of a lumor unters this blinking sully extend through the internal abdominal ring into the carity of the abdomen then the diagn -cs is may become difficult- Caricose state of the spermatic reins are some times mis taken for Cernia but the peculiar feeling, of , en irgedtreins under the ringers like a boundle of earth itemis will dele ! the meture of the disease. Buto has been afron



for Gernia, but the is ary progress, form, and, Juling, and character, of the patien! will usually drable us to make a dis-- line Stion bretween these live of fee -tions. The les liele viers been relain ed in the spermatic canal and then been mis taken you Mornia, and, treated for that disease by applying a liss to the qualdiscomfort of the patient, but it does not seem to me that an inteligent Dury con care make this mistake with both oyes of son. Meducible. Mandia. Dice tosteete inquinul rarieta of Mernia is most-apt- to be redu eitte. This corne is that in which the protruded purts can be returned. This yearn of leve exists for a long lime without much incomenciones to the policit.



but not williant danger unichs proloched und supported inorm notence by a trues. For it is riable at any moment to become strangulated or injured and dis-- drog the pulient. This com of the -nice is not dangerous but if leftlo ilsself it will continually drag upon and enlarge the opening. until the lumar reaches in enormous sixc. And by two zigerous exersise of the pulient it may be tiable to all of the Leanfal consequences serore spoken of! Theatment, consists in sin priy-replacing the broken led bewill and bindisty a coinfree, s over the opening through which it has escupped. Then by i strong-and firm landage carried around The trody her by some of the parious apparalies that have been



derised for this purpose, the parts are kept in their natural place. But if the Cirria be recent and the batient young and rigarous and can be placed on the back , for a few weeks and a trufs be nicely filed to it- we may hope for a radicalo-cure but the trus Should be worn for some lime untill firm whesions have Laken place. This form of Comia That been realed with success in some instances la rarious meases, by scalon injections searification De. Micans culculated to bring about adhesions of the parts concern -ed. Obreducible Mersia. Is that form that cannot be red - need without doing riolence to parts this may happen from many sauses, from adhesions of the



by the intestine being protruded in a relaxed condition and when wards becoming distende. This form of Mersia Enay, Eyist some limes without causing much browble, but it should always be probeled with a sus pensory bag or a concar ed teuis that will kerch up sledy and uniform piessure le present Hurthir protection and protect it from external violence. Incarcerated Herria. intes ine included in the sac teing so gorged with fluid or fla-- lies that it cannot be withdr awn or reduced without doing violence to parts. adud without very materially obstructing the fecal flow and without inflam ma try action. This state is mainly dependant on museular

Menia. The succling this important subject I am well aware of my utter imability to interest or instruct you, in the proper con sileration of a subject upon which there has their sommet withen, for rolume ofter rolume may Remin. I small not allemant !to adrance anything new in ence merute half ! int has been said is that may be found in the Books upon an accident so frequent in its occurrence so important from the nature of the parts inohed, an so often falal from the consequences in which it results! But Stall endearor to give us pract weather a discription of the subject



as I can and comprehend in a few words us much is possible to communicate to you! the instructions that I have reciered on this subject, from our Worling Thoy of Durgery (and those desociated with him butiels as ban so plainly and faithfully imparted, and, to them and, them alone does the merit-belong, and I alone ought to be lanswerable for the faults in this disciplion But I trust if I omit some important points in describing the Anulony, Pauses, and Treatment lof the differents unisties of Mirria und pass over others without giring them due conside no apology. Il By Merria is understood a protrusion of uny riseus multiruly



contained in a carrily, but the torn is resually limited to the most france to form of such pro - trusion ramely that from the carily of the abdomen. I shall not endearor to describe all the rarieties of Merria, but speak of the most frequent forms, and The most important distinctions beliveen the lifterent forms spea king first of some of the most frequent pathological conditions. Causes of Mernia, __ are predisposing and exciting, the predisposing are what ever weakens the abdominal parieties at any point, waret of close wells in derelopment as at the groin and parte rubture of muscle and faseia at any part as in parturition, bruiscs penetrate wounds Se. Opeiling causes are



coughing, straining, or hatilual museular exertion of any kind as in urinary complaints of old men. Tenerally the most morable riseera ure most fiable to protrusion. Thence the owner - titm and unlestines, which, are not firmly sixed in the abdominal having are most frequent in the Germial sie, but the see may contain any of the iiscerra of the abdomen Coverings of Cernia pary very much in different bulierels and in the different-Herms, and are seldomingally The same in any two eases. In all cases of ordinary Thermia there is first-the intequement and then four or five layers of fascia. But these rary very inuch in number for. Whof.



Charles Hooker mentions a case where in operating he divided liverity or thirty fascia before reaching the Hermide suc and in another operation he did not find but one or two fascia. The sac is sometim es whilling in Merria following directly whom a wound and in the congenital form of the disease. Then the sac is once formed it generally remains and becomes adherent to the parts around, through at any new promision il may become entlinged to any extent. But it the neck of the suc has Gecome firm and well not yield and a Gresh probusion lakes place the bart may become strangulated and require the inlasterance of the surgeon



for its relief. Diagnosis. importance that a correct dia -grasis, should be made out lat the quist risit to the put ient- that efficient mans may le employed un season. This is blond by racious ways List the his tory of its appear-Lance its situation size shape and form, in the impulse communicated to the hand of the Mergeon when placed upon the tumor, and the palient is made to cough, by its disappearing when the Spalient is in a recumbert posture if it is of the reduce Lible form of Mermia. And when the Tumor is compressed it is accompianied with a gargling sound if the sice















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